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)

3 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)

Original copy submitted to Springfield. Electronic copies submitted separately directly to Collinsville FOS (Ali Al-Janabi), Dana Austin, and Gary Ko.

AECOM
100 N. Broadway, 20th Floor
St. Louis, MO 63102
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October 31, 2025

Mr. Joshua Rhoades
Manager, Permit Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
Bureau of Land
2520 West Iles Avenue
Springfield, Illinois 62704

Groundwater Monitoring Report – 3rd Quarter 2025

Roxana, Illinois

1191150002 – Madison County

Equilon Enterprises LLC d/b/a Shell Oil Products US

Log No. B-43R-CA-21

Dear Mr. Rhoades:

On behalf of Shell Oil Products US (Shell), AECOM Technical Services, Inc. (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.

Electronic copies of the referenced report are being submitted separately directly to Ms. Dana Austin, Mr. Gary Ko, and IEPA Collinsville FOS (Ali Al-Janabi) with Illinois Environmental Protection Agency (IEPA).

If you have any questions during your review, please contact Leroy (Buddy) Bealer, Shell Principal Program Manager, at leroy.bealer@shell.com (484/632-7955), or Wendy Pennington at wendy.pennington@aecom.com (314/452-8929).

Yours sincerely,

AECOM, on behalf of Shell Oil Products US

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Enclosures: 3rd Quarter 2025 Report, Roxana Interim Groundwater Monitoring Program
RCRA Facility Groundwater, Leachate and Gas Reporting Form

cc: Leroy (Buddy) Bealer, Shell
Megan Lipscomb, Phillips 66
Dana Austin, IEPA, Springfield
Gary Ko, IEPA, Springfield
IEPA Collinsville FOS (Ali Al-Janabi), IEPA, Collinsville
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Jessica Reis, Fox Smith
Tonya Lewis, Shell
Pierre Espejo, Shell
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AECOM

3rd Quarter 2025 Report

Roxana Interim Groundwater Monitoring Program

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

Project number: 60738191

October 2025

Delivering a better world

Quality information

Prepared by	Checked by	Verified by	Approved by
			
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Revision History

Revision	Revision date	Details	Authorized	Name	Position

Distribution List

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1 – original	No	Mr. Joshua Rhoades IEPA, Springfield
None	Yes	Ms. Megan Lipscomb Phillips 66
None	Yes	Ms. Dana Austin IEPA, Springfield
None	Yes	Mr. Gary Ko IEPA, Springfield
None	Yes	IEPA Collinsville FOS IEPA, Collinsville
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Equilon Enterprises LLC dba Shell Oil Products US

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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 (Shell) for the 3rd Quarter 2025 (3Q25) 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 groundwater-related regulatory correspondence between AECOM, on behalf of Shell, and the IEPA during this reporting period (July 2025 through September 2025); prior regulatory-related correspondences can be found in **Appendix A**.

- 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 (CA-85 and -90) 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, 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 March 18, 2022, AECOM, on behalf of Shell, submitted *Additional Information Supplemental to the Proposed Groundwater Management Zone* in response to phone conversations with IEPA in December 2021 through February 2022 (AECOM, 2022d). A response from IEPA dated July 8, 2025, and reissued August 20, 2025 (M-32, -44, -53, and CA-93) provided conditional approval and comments related to several Permit Modifications requests and included a modified Permit (IEPA, 2025). The approval of the proposed Groundwater Management Zone (GMZ) incorporated Roxana Interim Program groundwater monitoring wells MW-1, MW-3, MW-5, MW-6 A through D, MW-10, MW-11, MW-14, MW-16, MW-22, MW-26, MW-28, and ROST-3-MW into the GMZ boundary as off-site wells. The modified permit also approved the combining of the routine reports for the Roxana Interim Groundwater Monitoring Program with the WRR reports required in Section IV of the Permit.

Groundwater samples were collected and analyzed during 3Q25 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 January 17, 2025 (AECOM, 2025).

2.2 Additional Activities or Modifications

The following additional work activities were conducted during 2Q25.

- During the comprehensive 3Q25 quarterly groundwater gauging event, LNAPL was observed in groundwater monitoring well ROST-4-PZ(D). Fluid level measurements were collected weekly from ROST-4-PZ(D) as outlined in the IEPA's letter dated March 14, 2012 (IEPA, 2012a). On September 10, 2025 after two consecutive weeks of no LNAPL observed, the weekly gauging of groundwater monitoring well ROST-4-PZ(D) ceased.

2.3 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between July 1st and 3rd, 2025. The gauging activities were conducted in conjunction with the 3Q25 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 and weekly groundwater monitoring well gauging results can be found in **Tables 1a and 1b**. The groundwater gauging data table also includes well-head PID (photoionization detector) results.

Low-Flow Groundwater Purging and Sampling

Groundwater samples were collected from groundwater monitoring wells between July 7th through 15th, 2025. 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-6 A-D, MW-9 through MW-14; MW-16; MW-22 through MW-28; P-54; P-56 through P-59; P-74; P-93A, B, and C; P-114R; ROST-3-MW; ROST-4-PZ(C); ROST-4-PZ(E); ROST-4-PZ(G); and T-12 were purged and sampled using a stainless-steel submersible 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 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 measured and recorded after every flow-through cell volume. Once stabilization was achieved or a maximum purge

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

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, P-66, and P-68, contained LNAPL when gauged and, therefore, were not sampled.

Groundwater monitoring well MW-7, located within the Roxana Former Public Works Yard and designated for sampling in the Interim Groundwater Monitoring Program, was not sampled due to operation of the PWY SEE System, as approved in the August 22, 2022 IEPA letter (IEPA, 2022) in response to the PWY SEE Work Plan (AECOM, 2022a).

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, 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 Eurofins Environment Testing America Southeast, LLC (EETA Southeast) in Pensacola, Florida for analysis.

Samples were analyzed by EETA Southeast for VOCs via USEPA Methods 8260D and 8260D Selected Ion Monitoring (SIM), for SVOCs via USEPA Method 8270E Triple Quadrupole (QQQ), and for Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA Method 8270E Low-Level Triple Quadrupole (LL_QQQ). USEPA Method 8260D SIM 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 3Q25 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 3Q25 event was conducted between July 1st and July 3rd, 2025. This groundwater monitoring well gauging was conducted in accordance with the Interim Groundwater Monitoring Program, and the results can be found in **Table 1a**. Groundwater levels in wells in the vicinity of the West Fenceline have risen approximately 0.86 foot since the 2Q25 gauging event. Groundwater levels in wells in the central and eastern portions of the WRR have risen approximately 1.87 foot since the 2Q25 gauging event. Water levels are above the top of the screens in the majority of the wells gauged during the 3Q25 event. The potentiometric surface observed during the 3Q25 groundwater monitoring well gauging (**Figures 3a** and **3b**) illustrates an inward gradient with groundwater flow toward the WRR groundwater production wells.

During the 3Q25 quarterly groundwater monitoring well gauging event, LNAPL was detected in four Interim Groundwater Monitoring Program groundwater monitoring wells (P-55R, P-66, P-68, and ROST-4-PZ(D)) (**Tables 1a and 1b**). Three of these monitoring wells are located in the WRR (P-55R, P-66, and P-68). In these wells, LNAPL thicknesses ranged from 0.01 to 0.51 foot. LNAPL was observed in one groundwater monitoring well located in the Village (ROST-4-PZ(D)). LNAPL thicknesses in this well was 0.02 foot. **Figures 4a** and **4b** illustrate the measured LNAPL thickness observed along the West Fenceline and inside the refinery, respectively, during the 3Q25 gauging event. Measured LNAPL thickness and the number of locations where it was observed during the 3Q25 quarterly gauging events was generally comparable to that observed in 2Q25.

The Illinois Emergency Management Agency (IEMA) was notified on November 22, 2020 of a release of gasoline from a Buckeye Partners (Wood River Pipeline, LLC) pipeline located to the south of well P-58 along the WRR West Fenceline, and to the north of well P-66 on WRR Main Property as indicated on **Figures 2, 3b, 4a,** and **5**. The release is associated with IEPA Violation Notice L-2021-00084, LPC #1190905036 – Madison County. Groundwater monitoring wells P-58 and P-66 have yielded some anomalous observations/detections since the reported release; LNAPL has been detected in P-66 since 2Q22, however LNAPL was previously last detected in P-66 during 4Q12. These wells will be gauged, and sampled in the absence of LNAPL, during the quarterly Roxana Interim Groundwater Monitoring program.

During 3Q25, LNAPL was observed in groundwater monitoring wells P-55R and P-68 located on WRR property at a thickness greater than 0.10 feet and was removed using bailers[2]. The recovered LNAPL was placed in a metal drum and will be sent for reuse of in accordance with RCRA, Illinois and United States Department of Transportation (DOT) regulations.

3.2 Data Quality Review Results

A total of 8 sample delivery groups (SDGs) were prepared and sent to EETA Southeast for the 3Q25 event. Fifty-one different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). The 51 samples included 40 different investigative sample sets, five field duplicate sets, and three matrix spike/matrix spike duplicate (MS/MSD) sets. SDGs for 3Q25 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 13 TB sets were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

[2] LNAPL > 0.10 feet is a project specific criterion for removal, based on practicality with the removal technique.

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.

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 2Q25 and prior sampling events, with the exception of benzene and phenol in MW-4 and MW-25, discussed in further detail below. 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[3]. 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, 2023). Where screening values were available from multiple sources from the ones mentioned above, screening values from Part 620 were used preferentially over the screening values found in TACO and Chemicals not in TACO sources. All three sources are checked on a quarterly basis to ensure the most current published screening values are being used. The results of this screening comparison are presented in **Table 3**.

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

- Benzene
- Ethylbenzene
- 1,2,4-Trimethylbenzene
- 2-Methylnaphthalene
- Phenol

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 3Q25. These findings are generally consistent with the results from previous sampling events, with the exception of benzene and phenol in MW-4 and MW-25, discussed in further detail below.

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[4] 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 3Q25, statistically significant downward trends were displayed for six wells, no wells displayed statistically significant increasing trends, and the remaining two wells

[3] IEPA requested that the Interim Groundwater Monitoring Program be consistent with the RCRA Part B Permit.
[4] 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.

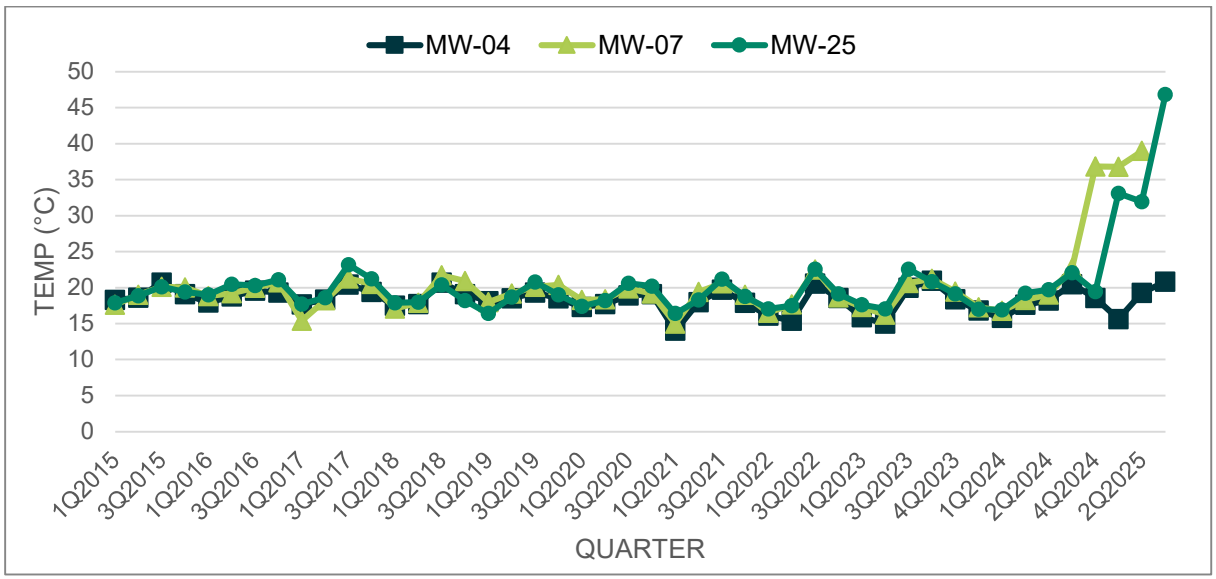
displayed trends that are not statistically significant[5]. Results from the Mann-Kendall analysis conducted via GWSDAT are presented in **Appendix D-2**.

Monitoring Wells MW-4 and MW-25

The benzene and phenol concentrations in MW-25 during 3Q25 continue to be outside the historical range for monitoring well MW-25, as first observed during 1Q25. Benzene and phenol results were confirmed by the lab and in a duplicate sample. The 1Q25 sampling event was performed approximately three months after operation of the SEE system ceased (10/21/2024). The 2Q25 sampling event was performed approximately 3 weeks after operation of the extraction portion of the SEE system restarted (end of March 2025). The 3Q25 sampling event was performed approximately 4 months after the extraction portion and 3 months after the injection portion of the SEE system restarted (end of March 2025 and early May 2025 respectively). The injection portion of the SEE system did not run continuously during June and July 2025.

Temperature readings from MW-25 since the 1Q25 sampling event have been elevated. Groundwater flow direction in the vicinity of the former PWY during continues to be to the north-northeast, towards the WRR (**Figures 3a** and **3b**). This information indicates that, in the absence of SEE system operation, groundwater at the former PWY continues to be captured by the existing WRR groundwater production system. The groundwater monitoring wells surrounding MW-25 (MW-5, MW-3, and MW-4) did not indicate elevated analytical results nor elevated temperature readings. In 3Q25, benzene and phenol concentrations observed in MW-4 were outside of the recent range for the monitoring well, but within the overall historical range for MW-4. Temperature readings from MW-4 have not been elevated. Well MW-7, which is located within the footprint of the SEE system, indicated elevated temperature readings, but the elevated benzene analytical results at this location were comparable to historic results at this location. Due to operation of the SEE system, MW-7 was not sampled during 3Q25. The chart below presents groundwater temperatures at wells MW-4, MW-7, and MW-25.

Neither the soil vapor monitoring points (SVPs) along 8th Street nor the vapor monitoring probes (VMPs) in the vicinity of MW-4 or MW-25 indicate elevated analytical results after the SEE system ceased operations or after operations restarted. To ensure that any hydrocarbon vapors present above the water table were captured in the absence of SEE system operation, the existing soil vapor extraction (SVE) wells along the northern boundary of the former PWY (SVE-20, -21, -22) were brought back online immediately following SEE shutdown. Following the restart of the extraction portion of the SEE system in late March, SVE wells -20, -21, and -22 were turned back off. Vacuum readings at the SVPs along 8th Street and VMPs in the vicinity of MW-25 indicate that capture is maintained by the SEE system when in operation.



[5] Results are significant if p value is equal to or below 0.05.

4 Summary and Conclusions

AECOM conducted the 3Q25 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

- During 3Q25, 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 risen approximately 0.86 foot since the 2Q25 gauging event. Groundwater levels in most wells in the central and eastern portion of the WRR have risen approximately 1.87 foot since the 2Q25 gauging event.

- Measured LNAPL thickness and the number of locations where it was observed during the 3Q25 quarterly gauging events was generally comparable to that observed in 2Q25. LNAPL has been detected in P-66 since 2Q22, LNAPL was previously last detected in P-66 during 4Q12. WRB/P66 notified IEMA on November 22, 2020, of a release of gasoline from a Buckeye Partners (Wood River Pipeline, LLC) pipeline located to the south of well P-58 along the WRR West Fenceline, and to the north of well P-66 on WRR Main Property. Wells P-58 and P-66 will be gauged and sampled in the absence of LNAPL during the 4Q25 Roxana Interim Groundwater Monitoring program.

- The analytical results from 3Q25 are generally consistent with the results from previous sampling event, with the exception of:

    - Benzene and phenol continue to be outside of historical range in MW-25 as first observed in 1Q25. Benzene and phenol results observed in MW-4 during 3Q25 were outside of the recent range for the monitoring well. Groundwater flow direction in the vicinity of the former PWY during 3Q25 is to the north-northeast, towards the WRR (**Figures 3a and 3b**). This information indicates that, in the absence of SEE system operation, groundwater at the former PWY continues to be captured by the existing WRR groundwater production system. Neither the soil vapor monitoring points (SVPs) along 8th Street nor the vapor monitoring probes (VMPs) in the vicinity of MW-25 indicate elevated analytical results. The extraction portion of the SEE system was restarted in late March. Vacuum readings at the SVPs along 8th Street and VMPs in the vicinity of MW-25 indicate that capture is maintained by the SEE system when in operation. Wells MW-4 and MW-25 will be sampled during the 4Q25 Roxana Interim Groundwater Monitoring program.

- 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 a trend that is 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

Shell 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. Shell 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 Shell 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

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

Tables

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-01											
4Q24	442.83	10/2/2024	NE	42.80	NA	NA	NA	400.03	394.03 - 384.03 (48.80 - 58.80)	0.0	*
1Q25	442.84	1/17/2025	NE	42.83	NA	NA	NA	400.01	394.04 - 384.04 (48.80 - 58.80)	0.0	*
2Q25		4/1/2025	NE	43.73	NA	NA	NA	399.11		0.0	*
3Q25		7/1/2025	NE	42.77	NA	NA	NA	400.07		0.0	*
MW-02											
4Q24	443.93	10/1/2024	NE	44.20	NA	NA	NA	399.73	394.06 - 384.06 (49.87 - 59.87)	173.2	*
1Q25	443.95	1/13/2025	NE	44.35	NA	NA	NA	399.60	394.08 - 384.08 (49.87 - 59.87)	87.1	*
2Q25		4/1/2025	NE	45.09	NA	NA	NA	398.86		184.9	*
3Q25		7/1/2025	NE	44.09	NA	NA	NA	399.86		243.6	*
MW-03											
4Q24	430.23	10/2/2024	NE	29.68	NA	NA	NA	400.55	395.56 - 385.56 (34.67 - 44.67)	0.0	*
1Q25	430.25	1/14/2025	NE	30.15	NA	NA	NA	400.10	395.58 - 385.58 (34.67 - 44.67)	0.0	*
2Q25		4/1/2025	NE	30.71	NA	NA	NA	399.54		0.0	*
3Q25		7/1/2025	NE	29.65	NA	NA	NA	400.60		0.0	*
MW-04											
4Q24	441.31	10/2/2024	NE	41.00	NA	NA	NA	400.31	396.25 - 386.25 (45.06 - 55.06)	0.0	*
1Q25	441.34	1/14/2025	NE	41.33	NA	NA	NA	400.01	396.28 - 386.28 (45.06 - 55.06)	0.0	*
2Q25		4/1/2025	NE	41.93	NA	NA	NA	399.41		80.7	*
3Q25		7/1/2025	NE	40.96	NA	NA	NA	400.38		1.5	*
MW-05											
4Q24	429.98	10/2/2024	NE	29.28	NA	NA	NA	400.70	396.01 - 386.01 (33.97 - 43.97)	0.0	*
1Q25	429.99	1/14/2025	NE	29.73	NA	NA	NA	400.26	396.02 - 386.02 (33.97 - 43.97)	0.0	*
2Q25		4/2/2025	NE	30.17	NA	NA	NA	399.82		0.0	*
3Q25		7/1/2025	NE	29.27	NA	NA	NA	400.72		0.0	*
MW-06A											
4Q24	432.33	10/2/2024	NE	31.28	NA	NA	NA	401.05	398.48 - 388.48 (33.85 - 43.85)	0.0	*
1Q25	432.36	1/15/2025	NE	31.63	NA	NA	NA	400.73	398.51 - 388.51 (33.85 - 43.85)	0.0	*
2Q25		4/2/2025	NE	32.02	NA	NA	NA	400.34		0.0	*
3Q25		7/1/2025	NE	31.13	NA	NA	NA	401.23		0.0	*
MW-06B											
4Q24	432.37	10/2/2024	NE	31.33	NA	NA	NA	401.04	368.32 - 363.32 (64.05 - 69.05)	0.0	*
1Q25	432.39	1/15/2025	NE	31.67	NA	NA	NA	400.72	368.84 - 363.84 (63.55 - 68.55)	0.0	*
2Q25		4/2/2025	NE	32.11	NA	NA	NA	400.28		0.0	*
3Q25		7/1/2025	NE	31.18	NA	NA	NA	401.21		0.0	*
MW-06C											
4Q24	432.18	10/2/2024	NE	31.10	NA	NA	NA	401.08	347.23 - 342.23 (84.95 - 89.95)	0.0	*
1Q25	432.20	1/15/2025	NE	31.46	NA	NA	NA	400.74	347.93 - 342.93 (84.27 - 89.27)	0.0	*
2Q25		4/2/2025	NE	31.85	NA	NA	NA	400.35		0.0	*
3Q25		7/1/2025	NE	30.96	NA	NA	NA	401.24		0.0	*
MW-06D											
4Q24	432.06	10/2/2024	NE	30.95	NA	NA	NA	401.11	327.34 - 322.34 (104.72 - 109.72)	0.0	*
1Q25	432.07	1/15/2025	NE	31.31	NA	NA	NA	400.76	327.90 - 322.90 (104.17 - 109.17)	0.0	*
2Q25		4/2/2025	NE	31.69	NA	NA	NA	400.38		0.0	*
3Q25		7/1/2025	NE	30.79	NA	NA	NA	401.28		0.0	*
MW-07											
4Q24	443.31	10/1/2024	NE	42.90	NA	NA	NA	400.41	400.39 - 390.39 (42.92 - 52.92)	0.1	*
1Q25	443.36	1/13/2025	NE	43.03	NA	NA	NA	400.33	400.44 - 390.44 (42.92 - 52.92)	141.5	
2Q25		4/1/2025	NE	43.67	NA	NA	NA	399.69		0.0	
3Q25		7/3/2025	NM	NM	NM	NM	NM	NM		NM	Not gauged due to operation of FPWY SEE System
MW-09											
4Q24	445.28	10/1/2024	NE	44.85	NA	NA	NA	400.43	399.24 - 389.24 (46.04 - 56.04)	0.0	*
1Q25	445.30	1/14/2025	NE	45.27	NA	NA	NA	400.03	399.26 - 389.26 (46.04 - 56.04)	0.0	*
2Q25		4/2/2025	NE	45.66	NA	NA	NA	399.64		0.0	*
3Q25		7/2/2025	NE	44.88	NA	NA	NA	400.42		0.0	*
MW-10											
4Q24	445.06	10/1/2024	NE	44.95	NA	NA	NA	400.11	400.63 - 390.63 (44.43 - 54.43)	0.0	
1Q25	445.07	1/13/2025	NE	45.16	NA	NA	NA	399.91	401.18 - 391.18 (43.89 - 53.89)	0.0	
2Q25		4/1/2025	NE	45.73	NA	NA	NA	399.34		0.0	
3Q25		7/1/2025	NE	44.83	NA	NA	NA	400.24		0.0	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-11											
4Q24	442.38	10/1/2024	NE	42.65	NA	NA	NA	399.73	400.72 - 390.72 (41.66 - 51.66)	0.0	
1Q25	442.65	1/14/2025	NE	43.10	NA	NA	NA	399.55	401.15 - 391.15 (41.50 - 51.50)	0.0	
2Q25		4/2/2025	NE	43.54	NA	NA	NA	399.11		0.0	
3Q25		7/1/2025	NE	42.72	NA	NA	NA	399.93		0.0	
MW-12											
4Q24	442.64	10/2/2024	NE	42.58	NA	NA	NA	400.06	400.72 - 390.72 (41.92 - 51.92)	0.0	
1Q25		1/13/2025	NE	42.97	NA	NA	NA	399.67	401.23 - 391.23 (41.41 - 51.41)	0.0	
2Q25		4/2/2025	NE	43.47	NA	NA	NA	399.17		0.0	
3Q25		7/1/2025	NE	42.62	NA	NA	NA	400.02		0.0	
MW-13											
4Q24	430.30	10/2/2024	NE	28.88	NA	NA	NA	401.42	405.50 - 395.50 (24.80 - 34.80)	0.0	
1Q25		1/15/2025	NE	29.53	NA	NA	NA	400.77		0.0	
2Q25		4/3/2025	NE	30.26	NA	NA	NA	400.04		0.0	
3Q25		7/2/2025	NE	28.84	NA	NA	NA	401.46		0.0	
MW-14											
4Q24	434.61	10/3/2024	NE	33.40	NA	NA	NA	401.21	401.19 - 391.19 (33.42 - 43.42)	59.0	*
1Q25		1/15/2025	NE	33.73	NA	NA	NA	400.88		18.3	
2Q25		4/3/2025	NE	34.18	NA	NA	NA	400.43		37.3	
3Q25		7/3/2025	NE	33.05	NA	NA	NA	401.56		122.3	*
MW-16											
4Q24	443.60	10/1/2024	NE	44.00	NA	NA	NA	399.60	406.10 - 396.10 (37.50 - 47.50)	0.0	
1Q25	443.58	1/14/2025	NE	44.27	NA	NA	NA	399.31	406.08 - 396.08 (37.50 - 47.50)	0.0	
2Q25		4/2/2025	NE	44.81	NA	NA	NA	398.77		0.0	
3Q25		7/1/2025	NE	44.03	NA	NA	NA	399.55		0.0	
MW-17											
4Q24	441.78	10/1/2024	NE	42.98	NA	NA	NA	398.80	407.49 - 392.49 (34.29 - 49.29)	0.0	
1Q25	441.76	1/13/2025	NE	43.28	NA	NA	NA	398.48	407.47 - 392.47 (34.29 - 49.29)	0.0	
2Q25		4/1/2025	NE	43.66	NA	NA	NA	398.10		0.0	
3Q25		7/1/2025	NE	42.80	NA	NA	NA	398.96		0.0	
MW-18											
4Q24	442.24	10/1/2024	NE	43.48	NA	NA	NA	398.76	407.32 - 392.32 (34.92 - 49.92)	0.0	
1Q25		1/13/2025	NE	43.85	NA	NA	NA	398.39		0.0	
2Q25		4/1/2025	NE	44.03	NA	NA	NA	398.21		0.0	
3Q25		7/1/2025	NE	43.43	NA	NA	NA	398.81		0.0	
MW-19											
4Q24	442.98	10/1/2024	NE	44.00	NA	NA	NA	398.98	406.64 - 391.64 (36.34 - 51.34)	0.0	
1Q25	442.97	1/13/2025	NE	44.24	NA	NA	NA	398.73	406.63 - 391.63 (36.34 - 51.34)	0.0	
2Q25		4/1/2025	NE	44.49	NA	NA	NA	398.48		0.0	
3Q25		7/1/2025	NE	43.89	NA	NA	NA	399.08		0.0	
MW-20											
4Q24	443.86	10/1/2024	NE	44.50	NA	NA	NA	399.36	407.98 - 392.98 (35.88 - 50.88)	0.3	
1Q25	443.85	1/13/2025	NE	44.68	NA	NA	NA	399.17	407.97 - 392.97 (35.88 - 50.88)	0.0	
2Q25		4/1/2025	NE	45.34	NA	NA	NA	398.51		0.0	
3Q25		7/1/2025	NE	44.43	NA	NA	NA	399.42		0.0	
MW-21											
4Q24	444.01	10/1/2024	NE	44.03	NA	NA	NA	399.98	409.00 - 394.00 (35.01 - 50.01)	0.0	
1Q25	444.02	1/13/2025	NE	44.18	NA	NA	NA	399.84	409.01 - 394.01 (35.01 - 50.01)	0.0	
2Q25		4/1/2025	NE	44.90	NA	NA	NA	399.12		0.0	
3Q25		7/1/2025	NE	43.91	NA	NA	NA	400.11		0.0	
MW-22											
4Q24	442.38	10/1/2024	NE	42.85	NA	NA	NA	399.53	403.95 - 393.95 (38.43 - 48.43)	0.0	
1Q25	442.39	1/14/2025	NE	43.14	NA	NA	NA	399.25	404.16 - 394.16 (38.23 - 48.23)	0.0	
2Q25		4/2/2025	NE	43.81	NA	NA	NA	398.58		0.0	
3Q25		7/1/2025	NE	42.84	NA	NA	NA	399.55		0.0	
MW-23											
4Q24	431.57	10/2/2024	NE	30.50	NA	NA	NA	401.07	402.55 - 392.55 (29.02 - 39.02)	0.3	
1Q25	431.59	1/15/2025	NE	31.08	NA	NA	NA	400.51	402.57 - 392.57 (29.02 - 39.02)	1.2	
2Q25		4/1/2025	NE	31.66	NA	NA	NA	399.93		1.9	
3Q25		7/1/2025	NE	30.54	NA	NA	NA	401.05		0.0	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
MW-24											
4Q24	443.65	10/1/2024	NE	43.58	NA	NA	NA	400.07	404.04 - 394.04 (39.61 - 49.61)	0.0	
1Q25		1/14/2025	NE	44.03	NA	NA	NA	399.62		0.0	
2Q25		4/2/2025	NE	44.50	NA	NA	NA	399.15		0.0	
3Q25		7/1/2025	NE	43.68	NA	NA	NA	399.97		0.0	
MW-25											
4Q24	438.53	10/2/2024	NE	38.03	NA	NA	NA	400.50	402.94 - 392.94 (35.59 - 45.59)	0.2	
1Q25	438.56	1/14/2025	NE	38.35	NA	NA	NA	400.21	402.97 - 392.97 (35.59 - 45.59)	217.4	
2Q25		4/1/2025	NE	38.95	NA	NA	NA	399.61		0.0	
3Q25		7/1/2025	NE	37.90	NA	NA	NA	400.66		0.0	
MW-26											
4Q24	441.23	10/2/2024	NE	41.05	NA	NA	NA	400.18	403.08 - 393.08 (38.15 - 48.15)	0.0	
1Q25		1/15/2025	NM	NM	NM	NM	NM	NM		NM	Inaccessible due to parked car.
2Q25		4/1/2025	NE	41.99	NA	NA	NA	399.24		0.0	
3Q25		7/1/2025	NE	41.03	NA	NA	NA	400.20		0.0	
MW-27											
4Q24	443.60	10/1/2024	NE	42.63	NA	NA	NA	400.97	403.81 - 393.81 (39.79 - 49.79)	0.0	
1Q25	443.61	1/14/2025	NE	43.15	NA	NA	NA	400.46	403.82 - 393.82 (39.79 - 49.79)	0.0	
2Q25		4/2/2025	NE	43.36	NA	NA	NA	400.25		0.0	
3Q25		7/1/2025	NE	42.48	NA	NA	NA	401.13		0.0	
MW-28											
4Q24	443.55	10/1/2024	NE	41.83	NA	NA	NA	401.72	409.94 - 399.94 (33.61 - 43.61)	0.0	
1Q25	443.56	1/13/2025	NE	41.93	NA	NA	NA	401.63	409.95 - 399.95 (33.61 - 43.61)	0.0	
2Q25		4/2/2025	NE	42.40	NA	NA	NA	401.16		0.0	
3Q25		7/2/2025	NE	41.96	NA	NA	NA	401.60		0.0	
P-01											
4Q24	442.98	10/3/2024	NE	36.51	NA	NA	NA	406.47	380.76 - 375.76 (62.22 - 67.22)	0.0	*
1Q25	443.04	1/14/2025	NE	36.40	NA	NA	NA	406.64	380.82 - 375.82 (62.22 - 67.22)	0.0	*
2Q25		4/2/2025	NE	37.13	NA	NA	NA	405.91		0.0	*
3Q25		7/3/2025	NE	34.99	NA	NA	NA	408.05		0.0	*
P-4U											
4Q24	442.74	10/3/2024	NE	37.86	NA	NA	NA	404.88	361.59 - 359.59 (81.15 - 83.15)	0.0	*
1Q25	442.77	1/14/2025	NE	37.64	NA	NA	NA	405.13	361.62 - 359.62 (81.15 - 83.15)	0.0	*
2Q25		4/3/2025	NE	38.68	NA	NA	NA	404.09		0.0	*
3Q25		7/3/2025	NE	36.35	NA	NA	NA	406.42		0.0	*
P-5L											
4Q24	444.01	10/3/2024	NE	38.12	NA	NA	NA	405.89	303.61 - 301.61 (140.40 - 142.40)	0.0	*
1Q25	444.05	1/14/2025	NE	37.32	NA	NA	NA	406.73	303.65 - 301.65 (140.40 - 142.40)	0.0	*
2Q25		4/3/2025	NE	38.57	NA	NA	NA	405.48		0.0	*
3Q25		7/3/2025	NE	36.16	NA	NA	NA	407.89		0.0	*
P-5U											
4Q24	444.42	10/3/2024	NE	39.17	NA	NA	NA	405.25	313.79 - 311.79 (130.63 - 132.63)	0.0	*
1Q25	444.45	1/14/2025	NE	38.60	NA	NA	NA	405.85	313.82 - 311.82 (130.63 - 132.63)	0.0	*
2Q25		4/3/2025	NE	39.43	NA	NA	NA	405.02		0.0	*
3Q25		7/3/2025	NE	37.26	NA	NA	NA	407.19		0.0	*
P-6U											
4Q24	443.63	10/3/2024	NE	38.77	NA	NA	NA	404.86	363.13 - 361.13 (80.50 - 82.50)	0.0	*
1Q25	443.64	1/14/2025	NE	38.21	NA	NA	NA	405.43	363.14 - 361.14 (80.50 - 82.50)	0.0	*
2Q25		4/3/2025	NE	39.33	NA	NA	NA	404.31		0.0	*
3Q25		7/3/2025	NE	37.02	NA	NA	NA	406.62		0.0	*
P-7U											
4Q24	444.08	10/3/2024	NE	39.10	NA	NA	NA	404.98	383.00 - 381.00 (61.08 - 63.08)	0.0	*
1Q25	444.09	1/14/2025	NE	38.44	NA	NA	NA	405.65	383.01 - 381.01 (61.08 - 63.08)	0.0	*
2Q25		4/3/2025	NE	39.50	NA	NA	NA	404.59		0.0	*
3Q25		7/3/2025	NE	37.23	NA	NA	NA	406.86		0.0	*
P-8U											
4Q24	442.07	10/3/2024	NE	38.95	NA	NA	NA	403.12	382.72 - 380.72 (59.35 - 61.35)	0.0	*
1Q25	442.11	1/14/2025	NE	38.57	NA	NA	NA	403.54	382.76 - 380.76 (59.35 - 61.35)	0.0	*
2Q25		4/3/2025	NE	39.43	NA	NA	NA	402.68		0.0	*
3Q25		7/3/2025	NE	37.44	NA	NA	NA	404.67		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-9U											
4Q24	445.20	10/3/2024	NE	43.58	NA	NA	NA	401.62	344.61 - 342.61 (100.59 - 102.59)	0.0	*
1Q25	445.21	1/14/2025	NE	43.07	NA	NA	NA	402.14	344.62- 342.62 (100.59 - 102.59)	0.0	*
2Q25		4/1/2025	NE	43.65	NA	NA	NA	401.56		0.0	*
3Q25		7/2/2025	NE	42.00	NA	NA	NA	403.21		0.0	*
P-11L											
4Q24	442.76	10/3/2024	NE	39.52	NA	NA	NA	403.24	332.55 - 330.55 (110.21 - 112.21)	0.0	*
1Q25	442.81	1/14/2025	NE	39.51	NA	NA	NA	403.30	332.60 - 330.60 (110.21 - 112.21)	0.0	*
2Q25		4/3/2025	NE	40.35	NA	NA	NA	402.46		0.0	*
3Q25		7/3/2025	NE	38.32	NA	NA	NA	404.49		0.0	*
P-11U											
4Q24	443.38	10/3/2024	NE	40.13	NA	NA	NA	403.25	343.46 - 341.46 (99.92 - 101.92)	0.0	*
1Q25	443.42	1/14/2025	NE	40.12	NA	NA	NA	403.30	343.50 - 341.50 (99.92 - 101.92)	0.0	*
2Q25		4/3/2025	NE	41.00	NA	NA	NA	402.42		0.0	*
3Q25		7/3/2025	NE	38.90	NA	NA	NA	404.52		0.0	*
P-14											
4Q24	443.01	10/3/2024	NE	36.62	NA	NA	NA	406.39	395.54 - 385.54 (47.47 - 57.47)	0.7	*
1Q25	442.99	1/14/2025	NE	36.41	NA	NA	NA	406.58	395.60 - 385.60 (47.39 - 57.39)	0.0	*
2Q25		4/2/2025	NE	37.15	NA	NA	NA	405.84		0.0	*
3Q25		7/3/2025	NE	35.01	NA	NA	NA	407.98		0.0	*
P-15											
4Q24	443.88	10/3/2024	NE	38.50	NA	NA	NA	405.38	398.43 - 388.43 (45.45 - 55.45)	0.0	*
1Q25	443.65	1/14/2025	NE	38.26	NA	NA	NA	405.39	398.20 - 388.20 (45.45 - 55.45)	0.0	*
2Q25		4/3/2025	NE	39.25	NA	NA	NA	404.40		0.0	*
3Q25		7/3/2025	NE	36.97	NA	NA	NA	406.68		0.0	*
P-16											
4Q24	442.84	10/3/2024	NE	37.55	NA	NA	NA	405.29	397.10 - 387.10 (45.74 - 55.74)	0.0	*
1Q25	442.60	1/14/2025	NE	36.88	NA	NA	NA	405.72	396.86 - 386.86 (45.74 - 55.74)	0.0	*
2Q25		4/3/2025	NE	38.15	NA	NA	NA	404.45		0.0	*
3Q25		7/3/2025	NE	35.52	NA	NA	NA	407.08		0.0	*
P-43											
4Q24	444.62	10/3/2024	NE	41.01	NA	NA	NA	403.61	381.06 - 371.06 (63.56 - 73.56)	0.0	*
1Q25	444.40	1/14/2025	NE	41.03	NA	NA	NA	403.37	380.84 - 370.84 (63.56 - 73.56)	0.0	*
2Q25		4/3/2025	NE	41.83	NA	NA	NA	402.57		0.0	*
3Q25		7/3/2025	NE	39.74	NA	NA	NA	404.66		0.0	*
P-53											
4Q24	446.57	10/1/2024	NE	44.83	NA	NA	NA	401.74	406.26 - 381.26 (40.31 - 65.31)	0.0	
1Q25	446.58	1/15/2025	NE	44.87	NA	NA	NA	401.71	406.27 - 381.27 (40.31 - 65.31)	0.0	
2Q25		4/2/2025	NE	45.15	NA	NA	NA	401.43		0.0	
3Q25		7/2/2025	NE	44.53	NA	NA	NA	402.05		0.0	
P-54											
4Q24	442.52	10/1/2024	NE	42.20	NA	NA	NA	400.32	404.52 - 379.52 (38.00 - 63.00)	0.0	
1Q25	442.53	1/14/2025	NE	42.75	NA	NA	NA	399.78	404.53 - 379.53 (38.00 - 63.00)	0.0	
2Q25		4/2/2025	NE	43.24	NA	NA	NA	399.29		0.0	
3Q25		7/1/2025	NE	42.37	NA	NA	NA	400.16		0.0	
P-55R											
4Q24	444.01	10/1/2024	41.61	41.90	402.11	402.40	0.29	402.34	403.58 - 393.58 (40.43 - 50.43)	0.5	
1Q25		1/13/2025	41.77	42.08	401.93	402.24	0.31	402.18		121.6	
2Q25		4/1/2025	42.26	42.60	401.41	401.75	0.34	401.68		83.9	
3Q25		7/1/2025	41.31	41.82	402.19	402.70	0.51	402.60		288.1	
P-56											
4Q24	446.32	10/1/2024	NE	46.96	NA	NA	NA	399.36	405.50 - 380.50 (40.82 - 65.82)	0.0	
1Q25	446.33	1/13/2025	NE	47.13	NA	NA	NA	399.20	405.51 - 380.51 (40.82 - 65.82)	2.0	
2Q25		4/1/2025	NE	47.88	NA	NA	NA	398.45		0.0	
3Q25		7/1/2025	NE	46.86	NA	NA	NA	399.47		0.0	
P-57											
4Q24	447.15	10/1/2024	NE	47.12	NA	NA	NA	400.03	402.96 - 392.96 (44.19 - 54.19)	0.0	
1Q25	447.17	1/13/2025	NE	47.29	NA	NA	NA	399.88	402.98 - 392.98 (44.19 - 54.19)	0.0	
2Q25		4/1/2025	NE	48.07	NA	NA	NA	399.10		0.0	
3Q25		7/1/2025	NE	47.04	NA	NA	NA	400.13		0.0	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-58											
4Q24	445.16	10/1/2024	NE	44.76	NA	NA	NA	400.40	404.95 - 379.95 (40.21 - 65.21)	0.0	
1Q25		1/13/2025	NE	44.89	NA	NA	NA	400.27		0.0	
2Q25		4/1/2025	NE	45.55	NA	NA	NA	399.61		0.0	
3Q25		7/1/2025	NE	44.51	NA	NA	NA	400.65		0.0	
P-59											
4Q24	447.07	10/1/2024	NE	48.08	NA	NA	NA	398.99	399.16 - 374.16 (47.91 - 72.91)	0.0	
1Q25	447.09	1/13/2025	NE	48.38	NA	NA	NA	398.71	399.18 - 374.18 (47.91 - 72.91)	0.0	
2Q25		4/1/2025	NE	49.00	NA	NA	NA	398.09		0.0	
3Q25		7/1/2025	NE	48.02	NA	NA	NA	399.07		0.0	
P-60											
4Q24	446.88	10/1/2024	47.77	47.78	399.10	399.11	0.01	399.11	402.23 - 382.23 (44.65 - 64.65)	96.5	
1Q25		1/13/2025	NE	48.47	NA	NA	NA	398.41		188.1	
2Q25		4/1/2025	NE	48.57	NA	NA	NA	398.31		20.5	
3Q25		7/1/2025	NE	47.82	NA	NA	NA	399.06		3.5	
P-61											
4Q24	444.66	10/1/2024	45.58	47.24	397.42	399.08	1.66	398.75	398.99 - 373.99 (45.68 - 70.68)	119.4	
1Q25	444.70	1/13/2025	45.23	46.21	398.49	399.47	0.98	399.27	399.03 - 374.03 (45.68 - 70.68)	398.0	*
2Q25		4/1/2025	46.38	48.48	396.22	398.32	2.10	397.90		0.0	
3Q25		7/1/2025	45.53	46.78	397.92	399.17	1.25	398.92		309.5	
P-62											
4Q24	442.60	10/1/2024	43.21	43.71	398.89	399.39	0.50	399.29	401.13 - 376.13 (41.47 - 66.47)	0.0	
1Q25	442.62	1/13/2025	43.00	43.41	399.21	399.62	0.41	399.54	401.15 - 376.15 (41.47 - 66.47)	0.0	
2Q25		4/1/2025	43.85	44.60	398.02	398.77	0.75	398.62		0.0	
3Q25		7/1/2025	42.98	43.14	399.48	399.64	0.16	399.61		0.0	
P-63											
4Q24	446.06	10/2/2024	46.39	46.40	399.66	399.67	0.01	399.67	398.77 - 373.77 (47.29 - 72.29)	13.1	*
1Q25	446.08	1/13/2025	46.23	46.25	399.83	399.85	0.02	399.85	398.79 - 373.79 (47.29 - 72.29)	11.3	*
2Q25		4/3/2025	47.17	47.22	398.86	398.91	0.05	398.90		2.9	*
3Q25		7/1/2025	46.04	46.05	400.03	400.04	0.01	400.04		21.8	*
P-64											
4Q24	446.78	10/1/2024	47.34	47.72	399.06	399.44	0.38	399.36	399.55 - 374.55 (47.23 - 72.23)	32.3	
1Q25	446.81	1/13/2025	47.10	47.42	399.39	399.71	0.32	399.65	399.58 - 374.58 (47.23 - 72.23)	169.7	*
2Q25		4/3/2025	47.95	48.53	398.28	398.86	0.58	398.74		0.0	
3Q25		7/1/2025	46.97	47.06	399.75	399.84	0.09	399.82		227.7	*
P-65											
4Q24	444.77	10/2/2025	NE	44.76	NA	NA	NA	400.01	397.75 - 372.75 (47.02 - 72.02)	22.4	*
1Q25	444.81	1/13/2025	44.95	44.96	399.85	399.86	0.01	399.86	397.79 - 372.79 (47.02 - 72.02)	8.0	*
2Q25		4/2/2025	NE	45.28	NA	NA	NA	399.53		2.6	*
3Q25		7/1/2025	NE	44.48	NA	NA	NA	400.33		16.1	*
P-66											
4Q24	437.00	10/3/2024	36.33	36.65	400.35	400.67	0.32	400.61	402.28 - 377.28 (34.72 - 59.72)	0.0	
1Q25	437.01	1/15/2025	36.54	36.86	400.15	400.47	0.32	400.41	402.29 - 377.29 (34.72 - 59.72)	46.5	
2Q25		4/3/2025	37.05	37.60	399.41	399.96	0.55	399.85		0.3	
3Q25		7/3/2025	36.06	36.07	400.94	400.95	0.01	400.95		0.0	
P-67											
4Q24	444.30	10/3/2024	NE	42.55	NA	NA	NA	401.75	402.33 - 377.33 (41.98 - 66.98)	0.0	
1Q25		1/15/2025	NE	42.82	NA	NA	NA	401.48		0.0	
2Q25		4/3/2025	NE	43.32	NA	NA	NA	400.98		0.0	
3Q25		7/3/2025	NE	42.10	NA	NA	NA	402.20		0.2	
P-68											
4Q24	445.38	10/2/2024	46.19	46.36	399.02	399.19	0.17	399.16	401.62 - 376.62 (43.76 - 68.76)	215.5	
1Q25	445.40	1/13/2025	46.57	46.81	398.59	398.83	0.24	398.78	401.64 - 376.64 (43.76 - 68.76)	236.6	
2Q25		4/1/2025	47.17	47.23	398.17	398.23	0.06	398.22		7.8	
3Q25		7/1/2025	46.16	46.26	399.14	399.24	0.10	399.22		165.8	
P-69											
4Q24	443.77	10/1/2024	NE	45.73	NA	NA	NA	398.04	402.95 - 377.95 (40.82 - 65.82)	0.0	
1Q25	443.90	1/13/2025	NE	46.12	NA	NA	NA	397.78	403.08 - 378.08 (40.82 - 65.82)	0.2	
2Q25		4/1/2025	NE	46.55	NA	NA	NA	397.35		0.0	
3Q25		7/1/2025	NE	45.62	NA	NA	NA	398.28		0.0	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-70											
4Q24	443.11	10/1/2024	44.11	45.03	398.08	399.00	0.92	398.82	398.44 - 373.44 (44.67 - 69.67)	277.9	*
1Q25		1/13/2025	44.05	44.37	398.74	399.06	0.32	399.00		154.6	*
2Q25		4/1/2025	44.70	46.30	396.81	398.41	1.60	398.09		97.2	
3Q25		7/1/2025	44.05	44.31	398.80	399.06	0.26	399.01		352.4	*
P-71											
4Q24	445.09	10/2/2024	NE	44.51	NA	NA	NA	400.58	402.48 - 377.48 (42.61 - 67.61)	6.0	
1Q25	445.15	1/13/2025	NE	44.33	NA	NA	NA	400.82	402.54 - 377.54 (42.61 - 67.61)	0.0	
2Q25		4/2/2025	NE	44.75	NA	NA	NA	400.40		27.4	
3Q25		7/1/2025	NE	44.13	NA	NA	NA	401.02		0.0	
P-72											
4Q24	444.70	10/2/2024	NE	44.02	NA	NA	NA	400.68	398.93 - 373.93 (45.77 - 70.77)	12.2	*
1Q25	444.75	1/13/2025	NE	44.26	NA	NA	NA	400.49	398.98 - 373.98 (45.77 - 70.77)	6.2	*
2Q25		4/2/2025	NE	44.50	NA	NA	NA	400.25		0.4	*
3Q25		7/2/2025	NE	43.97	NA	NA	NA	400.78		0.9	*
P-73											
4Q24	444.02	10/2/2024	NE	44.14	NA	NA	NA	399.88	402.43 - 377.43 (41.60 - 66.60)	1.9	
1Q25	444.03	1/13/2025	NE	44.24	NA	NA	NA	399.79	402.44 - 377.44 (41.60 - 66.60)	0.2	
2Q25		4/3/2025	NE	45.38	NA	NA	NA	398.65		0.0	
3Q25		7/1/2025	NE	44.25	NA	NA	NA	399.78		0.0	
P-74											
4Q24	442.93	10/1/2024	NE	44.38	NA	NA	NA	398.55	399.10 - 374.10 (43.83 - 68.83)	76.4	
1Q25	442.94	1/13/2025	NE	44.64	NA	NA	NA	398.30	399.11 - 374.11 (43.83 - 68.83)	170.7	
2Q25		4/1/2025	NE	45.22	NA	NA	NA	397.72		0.0	
3Q25		7/1/2025	NE	44.24	NA	NA	NA	398.70		216.7	
P-75											
4Q24	446.68	10/3/2024	NE	46.20	NA	NA	NA	400.48	403.55 - 378.55 (43.13 - 68.13)	1.2	
1Q25		1/15/2025	NE	46.37	NA	NA	NA	400.31		0.0	
2Q25		4/3/2025	NE	46.83	NA	NA	NA	399.85		0.0	
3Q25		7/3/2025	NE	45.75	NA	NA	NA	400.93		0.0	
P-82A											
4Q24	434.94	10/3/2024	NE	30.09	NA	NA	NA	404.85	401.73 - 386.73 (33.21 - 48.21)	0.0	*
1Q25	434.93	1/15/2025	NE	30.57	NA	NA	NA	404.36	401.72 - 386.72 (33.21 - 48.21)	0.6	*
2Q25		4/3/2025	NE	31.23	NA	NA	NA	403.70		0.0	*
3Q25		7/2/2025	NE	29.63	NA	NA	NA	405.30		0.0	*
P-82B											
4Q24	434.68	10/3/2024	NE	29.82	NA	NA	NA	404.86	371.88 - 369.88 (62.80 - 64.80)	0.0	*
1Q25		1/15/2025	NE	30.28	NA	NA	NA	404.40		0.3	*
2Q25		4/3/2025	NE	29.95	NA	NA	NA	404.73		0.0	*
3Q25		7/2/2025	NE	29.35	NA	NA	NA	405.33		0.0	*
P-82C											
4Q24	434.41	10/3/2024	NE	29.52	NA	NA	NA	404.89	351.64 - 349.64 (82.77 - 84.77)	0.0	*
1Q25	434.44	1/15/2025	NE	30.00	NA	NA	NA	404.44	351.67 - 349.67 (82.77 - 84.77)	0.0	*
2Q25		4/3/2025	NE	29.98	NA	NA	NA	404.46		0.0	*
3Q25		7/2/2025	NE	29.07	NA	NA	NA	405.37		0.0	*
P-82D											
4Q24	435.09	10/3/2024	NE	30.28	NA	NA	NA	404.81	323.55 - 321.55 (111.54 - 113.54)	0.0	*
1Q25	435.08	1/15/2025	NE	30.74	NA	NA	NA	404.34	323.54 - 321.54 (111.54 - 113.54)	0.0	*
2Q25		4/3/2025	NE	31.79	NA	NA	NA	403.29		0.0	*
3Q25		7/2/2025	NE	29.82	NA	NA	NA	405.26		0.0	*
P-83A											
4Q24	445.54	10/3/2024	NE	45.00	NA	NA	NA	400.54	398.14 - 383.14 (47.40 - 62.40)	0.0	*
1Q25	445.57	1/13/2025	NE	44.54	NA	NA	NA	401.03	398.17 - 383.17 (47.40 - 62.40)	0.0	*
2Q25		4/2/2025	NE	45.05	NA	NA	NA	400.52		0.0	*
3Q25		7/2/2025	NE	44.18	NA	NA	NA	401.39		0.0	*
P-83B											
4Q24	445.77	10/3/2024	NE	45.26	NA	NA	NA	400.51	371.97 - 369.97 (73.80 - 75.80)	0.0	*
1Q25	445.81	1/13/2025	NE	44.77	NA	NA	NA	401.04	372.01 - 370.01 (73.80 - 75.80)	0.0	*
2Q25		4/2/2025	NE	45.30	NA	NA	NA	400.51		0.0	*
3Q25		7/2/2025	NE	44.45	NA	NA	NA	401.36		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-83C											
4Q24	445.95	10/3/2024	NE	45.41	NA	NA	NA	400.54	353.56 - 351.56 (92.39 - 94.39)	0.0	*
1Q25	445.98	1/13/2025	NE	44.94	NA	NA	NA	401.04	353.59 - 351.59 (92.39 - 94.39)	0.0	*
2Q25		4/2/2025	NE	45.47	NA	NA	NA	400.51		0.0	*
3Q25		7/2/2025	NE	44.60	NA	NA	NA	401.38		0.0	*
P-83D											
4Q24	445.86	10/3/2024	NE	45.34	NA	NA	NA	400.52	312.06 - 310.06 (133.80 - 135.80)	0.0	*
1Q25	445.90	1/13/2025	NE	44.88	NA	NA	NA	401.02	312.10 - 310.10 (133.80 - 135.80)	0.0	*
2Q25		4/2/2025	NE	45.42	NA	NA	NA	400.48		0.0	*
3Q25		7/2/2025	NE	44.55	NA	NA	NA	401.35		0.0	*
P-84A											
4Q24	446.63	10/2/2024	NE	45.60	NA	NA	NA	401.03	397.71 - 382.71 (48.92 - 63.92)	0.0	*
1Q25	446.65	1/14/2025	NE	45.55	NA	NA	NA	401.10	398.15 - 383.15 (48.50 - 63.50)	0.0	*
2Q25		4/3/2025	NE	46.24	NA	NA	NA	400.41		0.0	*
3Q25		7/2/2025	NE	45.19	NA	NA	NA	401.46		0.0	*
P-84B											
4Q24	446.35	10/2/2024	NE	45.35	NA	NA	NA	401.00	372.85 - 370.85 (73.50 - 75.50)	0.4	*
1Q25	446.36	1/14/2025	NE	45.28	NA	NA	NA	401.08	372.86 - 370.86 (73.50 - 75.50)	0.0	*
2Q25		4/4/2025	NE	45.82	NA	NA	NA	400.54		0.0	*
3Q25		7/2/2025	NE	44.93	NA	NA	NA	401.43		0.0	*
P-84C											
4Q24	446.37	10/2/2024	NE	45.38	NA	NA	NA	400.99	352.32 - 350.32 (94.05 - 96.05)	0.4	*
1Q25	446.40	1/14/2025	NE	45.29	NA	NA	NA	401.11	352.35 - 350.35 (94.05 - 96.05)	0.0	*
2Q25		4/3/2025	NE	46.29	NA	NA	NA	400.11		0.0	*
3Q25		7/2/2025	NE	44.39	NA	NA	NA	402.01		0.0	*
P-84D											
4Q24	446.38	10/2/2024	NE	45.35	NA	NA	NA	401.03	325.55 - 323.55 (120.83 - 122.83)	0.4	*
1Q25	446.40	1/14/2025	NE	45.29	NA	NA	NA	401.11	325.57 - 323.57 (120.83 - 122.83)	0.0	*
2Q25		4/3/2025	NE	46.31	NA	NA	NA	400.09		0.0	*
3Q25		7/2/2025	NE	44.94	NA	NA	NA	401.46		0.0	*
P-88A											
4Q24	443.27	10/3/2024	NE	36.45	NA	NA	NA	406.82	404.87 - 389.87 (38.40 - 53.40)	0.0	*
1Q25		1/14/2025	NE	36.68	NA	NA	NA	406.59		0.0	*
2Q25		4/3/2025	NE	37.07	NA	NA	NA	406.20		0.0	*
3Q25		7/3/2025	NE	35.63	NA	NA	NA	407.64		0.0	*
P-88B											
4Q24	443.35	10/3/2024	NE	36.52	NA	NA	NA	406.83	371.70 - 369.70 (71.65 - 73.65)	0.0	*
1Q25		1/14/2025	NE	36.75	NA	NA	NA	406.60		0.0	*
2Q25		4/3/2025	NE	37.15	NA	NA	NA	406.20		0.0	*
3Q25		7/3/2025	NE	35.70	NA	NA	NA	407.65		0.0	*
P-88C											
4Q24	443.31	10/3/2024	NE	36.48	NA	NA	NA	406.83	351.01 - 349.01 (92.30 - 94.30)	0.0	*
1Q25		1/14/2025	NE	36.71	NA	NA	NA	406.60		0.0	*
2Q25		4/3/2025	NE	37.10	NA	NA	NA	406.21		0.0	*
3Q25		7/3/2025	NE	35.65	NA	NA	NA	407.66		0.0	*
P-88D											
4Q24	443.38	10/3/2024	NE	36.55	NA	NA	NA	406.83	331.21 - 329.21 (112.17 - 114.17)	0.0	*
1Q25	443.39	1/14/2025	NE	36.79	NA	NA	NA	406.60	331.22 - 329.22 (112.17 - 114.17)	0.0	*
2Q25		4/3/2025	NE	37.18	NA	NA	NA	406.21		0.0	*
3Q25		7/3/2025	NE	35.75	NA	NA	NA	407.64		0.0	*
P-89B											
4Q24	447.64	10/3/2024	NE	46.01	NA	NA	NA	401.63	370.28 - 368.28 (77.36 - 79.36)	0.0	*
1Q25		1/13/2025	NE	45.97	NA	NA	NA	401.67		0.0	*
2Q25		4/1/2025	NE	46.50	NA	NA	NA	401.14		0.0	*
3Q25		7/2/2025	NE	44.83	NA	NA	NA	402.81		0.0	*
P-89C											
4Q24	447.96	10/3/2024	NE	46.38	NA	NA	NA	401.58	351.56 - 349.56 (96.40 - 98.40)	0.0	*
1Q25		1/13/2025	NE	46.33	NA	NA	NA	401.63		0.0	*
2Q25		4/1/2025	NE	46.85	NA	NA	NA	401.11		0.0	*
3Q25		7/2/2025	NE	43.20	NA	NA	NA	404.76		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-89D											
4Q24	447.83	10/3/2024	NE	46.42	NA	NA	NA	401.41	309.33 - 307.33 (138.50 - 140.50)	0.0	*
1Q25		1/13/2025	NE	46.34	NA	NA	NA	401.49		0.0	*
2Q25		4/1/2025	NE	46.83	NA	NA	NA	401.00		0.0	*
3Q25		7/2/2025	NE	45.20	NA	NA	NA	402.63		0.0	*
P-91A											
4Q24	447.43	10/1/2024	48.46	48.48	398.95	398.97	0.02	398.97	395.92 - 380.92 (51.52 - 66.52)	103.3	*
1Q25	447.44	1/13/2025	48.04	48.07	399.37	399.40	0.03	399.39	395.93 - 380.93 (51.52 - 66.52)	12.3	*
2Q25		4/1/2025	48.82	48.84	398.60	398.62	0.02	398.62		7.7	*
3Q25		7/1/2025	48.05	48.06	399.38	399.39	0.01	399.39		67.4	*
P-91B											
4Q24	447.47	10/1/2024	NE	48.49	NA	NA	NA	398.98	372.78 - 370.78 (74.69 - 76.69)	0.0	*
1Q25	447.48	1/13/2025	NE	48.07	NA	NA	NA	399.41	372.79 - 370.79 (74.69 - 76.69)	0.4	*
2Q25		4/1/2025	NE	48.85	NA	NA	NA	398.63		0.0	*
3Q25		7/1/2025	NE	48.07	NA	NA	NA	399.41		2.1	*
P-91C											
4Q24	447.27	10/1/2024	NE	48.26	NA	NA	NA	399.01	352.54 - 350.54 (94.73 - 96.73)	0.0	*
1Q25		1/13/2025	NE	47.84	NA	NA	NA	399.43		0.0	*
2Q25		4/1/2025	NE	48.63	NA	NA	NA	398.64		0.0	*
3Q25		7/1/2025	NE	47.85	NA	NA	NA	399.42		0.0	*
P-91D											
4Q24	447.26	10/1/2024	NE	48.27	NA	NA	NA	398.99	278.94 - 276.94 (168.32 - 170.32)	0.0	*
1Q25	447.28	1/13/2025	NE	47.88	NA	NA	NA	399.40	278.96 - 276.96 (168.32 - 170.32)	0.0	*
2Q25		4/1/2025	NE	48.65	NA	NA	NA	398.63		0.0	*
3Q25		7/1/2025	NE	47.88	NA	NA	NA	399.40		0.4	*
P-92A											
4Q24	446.39	10/2/2024	46.75	46.78	399.61	399.64	0.03	399.63	398.82 - 383.82 (47.57 - 62.57)	5.5	*
1Q25	446.41	1/13/2025	46.84	46.86	399.55	399.57	0.02	399.57	398.84 - 383.84 (47.57 - 62.57)	94.5	*
2Q25		4/2/2025	47.12	47.14	399.27	399.29	0.02	399.29		8.1	*
3Q25		7/1/2025	46.37	46.38	400.03	400.04	0.01	400.04		180.7	*
P-92B											
4Q24	446.33	10/2/2024	NE	46.69	NA	NA	NA	399.64	371.92 - 369.92 (74.41 - 76.41)	0.0	*
1Q25		1/13/2025	NE	46.77	NA	NA	NA	399.56		0.0	*
2Q25		4/2/2025	NE	47.10	NA	NA	NA	399.23		0.0	*
3Q25		7/1/2025	NE	46.32	NA	NA	NA	400.01		4.8	*
P-92C											
4Q24	446.34	10/2/2024	NE	46.67	NA	NA	NA	399.67	353.38 - 348.38 (92.96 - 97.96)	0.0	*
1Q25	446.35	1/13/2025	NE	46.78	NA	NA	NA	399.57	353.39 - 348.39 (92.96 - 97.96)	0.5	*
2Q25		4/2/2025	NE	47.10	NA	NA	NA	399.25		0.0	*
3Q25		7/1/2025	NE	46.32	NA	NA	NA	400.03		7.7	*
P-92D											
4Q24	446.15	10/2/2024	NE	46.55	NA	NA	NA	399.60	305.15 - 303.15 (141.00 - 143.00)	0.0	*
1Q25	446.16	1/13/2025	NE	46.64	NA	NA	NA	399.52	305.16 - 303.16 (141.00 - 143.00)	0.0	*
2Q25		4/2/2025	NE	46.95	NA	NA	NA	399.21		0.4	*
3Q25		7/1/2025	NE	46.17	NA	NA	NA	399.99		3.0	*
P-93A											
4Q24	445.37	10/1/2024	NE	45.24	NA	NA	NA	400.13	402.30 - 392.30 (43.07 - 53.07)	0.0	
1Q25		1/13/2025	NE	45.36	NA	NA	NA	400.01		0.0	
2Q25		4/1/2025	NE	46.13	NA	NA	NA	399.24		0.0	
3Q25		7/1/2025	NE	45.08	NA	NA	NA	400.29		0.0	
P-93B											
4Q24	446.70	10/1/2024	NE	46.65	NA	NA	NA	400.05	371.92 - 369.92 (74.78 - 76.78)	213.6	*
1Q25	446.71	1/13/2025	NE	46.74	NA	NA	NA	399.97	371.93 - 369.93 (74.78 - 76.78)	0.0	*
2Q25		4/1/2025	NE	47.50	NA	NA	NA	399.21		45.0	*
3Q25		7/1/2025	NE	46.45	NA	NA	NA	400.26		114.3	*
P-93C											
4Q24	446.55	10/1/2024	NE	46.44	NA	NA	NA	400.11	353.67 - 348.67 (92.88 - 97.88)	0.0	*
1Q25	446.57	1/13/2025	NE	46.59	NA	NA	NA	399.98	353.69 - 348.69 (92.88 - 97.88)	0.0	*
2Q25		4/1/2025	NE	47.35	NA	NA	NA	399.22		0.0	*
3Q25		7/1/2025	NE	46.03	NA	NA	NA	400.54		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
P-93D											
4Q24	446.97	10/1/2024	NE	46.78	NA	NA	NA	400.19	321.31 - 319.31 (125.66 - 127.66)	0.0	*
1Q25	446.93	1/13/2025	NE	46.94	NA	NA	NA	399.99	321.27 - 319.27 (125.66 - 127.66)	0.0	*
2Q25		4/1/2025	NE	47.70	NA	NA	NA	399.23		0.0	*
3Q25		7/1/2025	NE	46.60	NA	NA	NA	400.33		0.0	*
P-94											
4Q24	445.04	10/3/2024	NE	42.59	NA	NA	NA	402.45	398.80 - 383.80 (46.24 - 61.24)	0.0	*
1Q25	445.02	1/13/2025	NE	41.98	NA	NA	NA	403.04	398.78 - 383.78 (46.24 - 61.24)	0.0	*
2Q25		4/2/2025	NE	42.40	NA	NA	NA	402.62		0.0	*
3Q25		7/2/2025	NE	40.93	NA	NA	NA	404.09		0.0	*
P-95											
4Q24	443.95	10/3/2024	NE	36.00	NA	NA	NA	407.95	407.43 - 392.43 (36.52 - 51.52)	0.0	*
1Q25	443.69	1/14/2025	NE	35.03	NA	NA	NA	408.66	407.17 - 392.17 (36.52 - 51.52)	0.0	*
2Q25		4/3/2025	NE	35.37	NA	NA	NA	408.32		0.0	*
3Q25		7/3/2025	NE	33.81	NA	NA	NA	409.88		0.0	*
P-102											
4Q24	445.14	10/3/2024	NE	39.00	NA	NA	NA	406.14	402.39 - 382.39 (42.75 - 62.75)	7.0	*
1Q25		1/14/2025	NE	39.28	NA	NA	NA	405.86		0.0	*
2Q25		4/3/2025	NE	39.92	NA	NA	NA	405.22		0.0	*
3Q25		7/3/2025	NE	38.16	NA	NA	NA	406.98		0.0	*
P-114R											
4Q24	429.48	10/2/2024	NE	27.73	NA	NA	NA	401.75	406.47 - 396.47 (23.01 - 33.01)	42.4	
1Q25	429.45	1/15/2025	NE	28.59	NA	NA	NA	400.86	406.44 - 396.44 (23.01 - 33.01)	0.0	
2Q25		4/3/2025	NE	29.34	NA	NA	NA	400.11		0.0	
3Q25		7/2/2025	NE	27.71	NA	NA	NA	401.74		0.0	
P-115											
4Q24	433.54	10/2/2024	NE	31.60	NA	NA	NA	401.94	401.24 - 381.24 (32.30 - 52.30)	0.0	*
1Q25	433.50	1/15/2025	NE	32.58	NA	NA	NA	400.92	401.20 - 381.20 (32.30 - 52.30)	0.0	
2Q25		4/3/2025	NE	33.30	NA	NA	NA	400.20		0.0	
3Q25		7/2/2025	NE	31.60	NA	NA	NA	401.90		0.0	*
P-116											
4Q24	436.79	10/2/2024	NE	34.98	NA	NA	NA	401.81	399.35 - 379.35 (37.44 - 57.44)	0.0	*
1Q25	436.76	1/15/2025	NE	36.00	NA	NA	NA	400.76	399.32 - 379.32 (37.44 - 57.44)	0.0	*
2Q25		4/3/2025	NE	36.71	NA	NA	NA	400.05		0.0	*
3Q25		7/2/2025	NE	34.98	NA	NA	NA	401.78		0.0	*
P-117											
4Q24	432.87	10/2/2024	NE	31.23	NA	NA	NA	401.64	399.94 - 379.94 (32.93 - 52.93)	0.0	*
1Q25	432.86	1/15/2025	NE	32.26	NA	NA	NA	400.60	399.93 - 379.93 (32.93 - 52.93)	0.0	*
2Q25		4/3/2025	NE	33.21	NA	NA	NA	399.65		0.0	*
3Q25		7/2/2025	NE	31.23	NA	NA	NA	401.63		0.0	*
P-118											
4Q24	431.48	10/2/2024	NE	30.00	NA	NA	NA	401.48	400.36 - 384.43 (31.12 - 47.05)	0.0	*
1Q25	431.51	1/15/2025	NE	31.17	NA	NA	NA	400.34	400.39 - 384.46 (31.12 - 47.05)	0.0	
2Q25		4/2/2025	NE	31.46	NA	NA	NA	400.05		0.0	
3Q25		7/2/2025	NE	29.97	NA	NA	NA	401.54		0.0	*
P-119											
4Q24	432.11	10/2/2024	NE	30.15	NA	NA	NA	401.96	401.44 - 385.51 (30.67 - 46.60)	0.0	*
1Q25	432.10	1/15/2025	NE	30.82	NA	NA	NA	401.28	401.43 - 385.50 (30.67 - 46.60)	0.0	
2Q25		4/3/2025	NE	31.61	NA	NA	NA	400.49		0.0	
3Q25		7/2/2025	NE	30.08	NA	NA	NA	402.02		0.0	*
P-120											
4Q24	433.00	10/2/2024	NE	30.30	NA	NA	NA	402.70	401.62 - 385.69 (31.38 - 47.31)	0.0	*
1Q25	432.99	1/15/2025	NE	31.05	NA	NA	NA	401.94	401.61 - 385.68 (31.38 - 47.31)	0.0	*
2Q25		4/2/2025	NE	31.21	NA	NA	NA	401.78		0.0	*
3Q25		7/2/2025	NE	30.13	NA	NA	NA	402.86		0.0	*
P-129											
4Q24	432.66	10/2/2024	NE	32.10	NA	NA	NA	400.56	400.69 - 384.76 (31.97 - 47.90)	0.0	
1Q25	432.64	1/15/2025	NE	33.45	NA	NA	NA	399.19	400.67 - 384.74 (31.97 - 47.90)	0.0	
2Q25		4/3/2025	NE	34.14	NA	NA	NA	398.50		0.0	
3Q25		7/2/2025	NE	31.68	NA	NA	NA	400.96		0.0	*

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WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
ROST-3-MW											
4Q24	442.52	10/1/2024	NE	42.60	NA	NA	NA	399.92	404.71 - 394.71 (37.81 - 47.81)	0.0	
1Q25	442.51	1/14/2025	NE	42.96	NA	NA	NA	399.55	404.70 - 394.70 (37.81 - 47.81)	0.0	
2Q25		4/2/2025	NE	43.36	NA	NA	NA	399.15		0.0	
3Q25		7/1/2025	NE	42.60	NA	NA	NA	399.91		0.0	
ROST-4-PZ											
4Q24	442.15	10/1/2024	NE	41.40	NA	NA	NA	400.75	407.22 - 397.22 (34.93 - 44.93)	0.0	
1Q25	442.16	1/13/2025	NE	41.82	NA	NA	NA	400.34	407.23 - 397.23 (34.93 - 44.93)	0.0	
2Q25		4/1/2025	NE	42.11	NA	NA	NA	400.05		0.0	
3Q25		7/1/2025	NE	41.68	NA	NA	NA	400.48		0.0	
ROST-4-PZ(A)											
4Q24	442.15	10/1/2024	NE	42.18	NA	NA	NA	399.97	407.38 - 397.38 (34.77 - 44.77)	0.0	
1Q25		1/13/2025	NE	42.45	NA	NA	NA	399.70		0.0	
2Q25		4/1/2025	NE	42.92	NA	NA	NA	399.23		0.0	
3Q25		7/1/2025	NE	42.12	NA	NA	NA	400.03		0.0	
ROST-4-PZ(B)											
4Q24	442.40	10/1/2024	NE	41.15	NA	NA	NA	401.25	407.35 - 397.35 (35.05 - 45.05)	0.0	
1Q25		1/13/2025	NE	41.70	NA	NA	NA	400.70		0.0	
2Q25		4/1/2025	NE	42.81	NA	NA	NA	399.59		0.0	
3Q25		7/1/2025	NE	41.74	NA	NA	NA	400.66		0.0	
ROST-4-PZ(C)											
4Q24	442.97	10/1/2024	NE	42.50	NA	NA	NA	400.47	408.02 - 398.02 (34.95 - 44.95)	0.0	
1Q25	442.96	1/15/2025	NE	42.79	NA	NA	NA	400.17	408.01 - 398.01 (34.95 - 44.95)	0.0	
2Q25		4/3/2025	NE	43.30	NA	NA	NA	399.66		0.0	
3Q25		7/1/2025	NE	42.62	NA	NA	NA	400.34		0.0	
ROST-4-PZ(D)											
4Q24	442.92	10/1/2024	NE	42.28	NA	NA	NA	400.64	407.95 - 397.95 (34.97 - 44.97)	0.0	
1Q25	442.91	1/14/2025	NE	42.73	NA	NA	NA	400.18	407.94 - 397.94 (34.97 - 44.97)	0.0	
2Q25		4/2/2025	42.82	42.97	399.94	400.09	0.15	400.06		0.0	
3Q25		7/1/2025	42.45	42.47	400.44	400.46	0.02	400.46		0.0	
ROST-4-PZ(E)											
4Q24	441.98	10/1/2024	NE	41.28	NA	NA	NA	400.70	407.23 - 397.23 (34.75 - 44.75)	0.0	
1Q25		1/13/2025	NE	41.40	NA	NA	NA	400.58		0.0	
2Q25		4/1/2025	NE	41.71	NA	NA	NA	400.27		0.0	
3Q25		7/1/2025	NE	41.04	NA	NA	NA	400.94		0.0	
ROST-4-PZ(F)											
4Q24	442.12	10/1/2024	NE	40.23	NA	NA	NA	401.89	407.59 - 397.59 (34.53 - 44.53)	0.0	
1Q25		1/13/2025	NE	40.42	NA	NA	NA	401.70		0.0	
2Q25		4/1/2025	NE	40.81	NA	NA	NA	401.31		0.0	
3Q25		7/1/2025	NE	40.24	NA	NA	NA	401.88		0.0	
ROST-4-PZ(G)											
4Q24	442.20	10/1/2024	NE	42.88	NA	NA	NA	399.32	407.92 - 397.92 (34.28 - 44.28)	0.0	
1Q25	442.21	1/14/2025	NE	43.05	NA	NA	NA	399.16	407.93 - 397.93 (34.28 - 44.28)	0.0	
2Q25		4/2/2025	NE	43.56	NA	NA	NA	398.65		0.0	
3Q25		7/1/2025	NE	42.83	NA	NA	NA	399.38		0.0	
S-1											
4Q24	444.06	10/2/2024	43.94	43.98	400.08	400.12	0.04	400.11	Unknown	141.5	
1Q25	444.12	1/13/2025	44.12	44.13	399.99	400.00	0.01	400.00		140.5	
2Q25		4/2/2025	44.35	45.86	398.26	399.77	1.51	399.47		191.2	
3Q25		7/1/2025	43.78	43.90	400.22	400.34	0.12	400.32		283.3	
T-1											
4Q24	445.61	10/1/2024	NE	45.25	NA	NA	NA	400.36	398.61 - 388.61 (47.00 - 57.00)	0.0	*
1Q25	445.66	1/13/2025	NE	45.29	NA	NA	NA	400.37	398.66 - 388.66 (47.00 - 57.00)	0.0	*
2Q25		4/1/2025	NE	45.97	NA	NA	NA	399.69		0.0	*
3Q25		7/1/2025	NE	45.08	NA	NA	NA	400.58		0.1	*
T-2											
4Q24	443.40	10/2/2024	NE	43.27	NA	NA	NA	400.13	392.91 - 372.76 (50.50 - 70.65)	0.0	*
1Q25	443.38	1/13/2025	NE	43.20	NA	NA	NA	400.18	392.89 - 372.74 (50.50 - 70.65)	0.0	*
2Q25		4/2/2025	NE	43.65	NA	NA	NA	399.73		0.0	*
3Q25		7/1/2025	NE	42.90	NA	NA	NA	400.48		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
T-3											
4Q24	449.21	10/1/2024	NE	49.59	NA	NA	NA	399.62	403.99 - 388.99 (45.22 - 60.22)	0.0	
1Q25	449.22	1/13/2025	NE	49.13	NA	NA	NA	400.09	404.00 - 389.00 (45.22 - 60.22)	0.0	
2Q25		4/2/2025	NE	49.84	NA	NA	NA	399.38		0.0	
3Q25		7/1/2025	NE	49.12	NA	NA	NA	400.10		0.0	
T-4											
4Q24	446.82	10/2/2024	NE	48.32	NA	NA	NA	398.50	396.80 - 381.80 (50.02 - 65.02)	0.0	*
1Q25		1/13/2025	NE	47.81	NA	NA	NA	399.01		0.0	*
2Q25		4/1/2025	NE	48.58	NA	NA	NA	398.24		0.0	*
3Q25		7/2/2025	NE	47.90	NA	NA	NA	398.92		0.0	*
T-5											
4Q24	443.66	10/2/2024	NE	42.92	NA	NA	NA	400.74	395.33 - 378.78 (48.33 - 64.88)	40.4	*
1Q25	443.67	1/13/2025	NE	43.27	NA	NA	NA	400.40	395.34 - 378.79 (48.33 - 64.88)	3.9	*
2Q25		4/2/2025	NE	43.45	NA	NA	NA	400.22		6.0	*
3Q25		7/1/2025	NE	42.60	NA	NA	NA	401.07		1.2	*
T-6											
4Q24	446.78	10/1/2024	NE	46.86	NA	NA	NA	399.92	394.27 - 380.02 (52.51 - 66.76)	1.4	*
1Q25	446.79	1/13/2025	NE	47.00	NA	NA	NA	399.79	394.28 - 380.03 (52.51 - 66.76)	0.0	*
2Q25		4/1/2025	NE	47.85	NA	NA	NA	398.94		0.7	*
3Q25		7/1/2025	NE	46.76	NA	NA	NA	400.03		0.4	*
T-7											
4Q24	444.26	10/3/2024	NE	42.53	NA	NA	NA	401.73	395.54 - 380.54 (48.72 - 63.72)	4.5	*
1Q25	444.27	1/15/2025	NE	42.80	NA	NA	NA	401.47	395.55 - 380.55 (48.72 - 63.72)	2.3	*
2Q25		4/3/2025	NE	43.33	NA	NA	NA	400.94		7.9	*
3Q25		7/3/2025	NE	42.08	NA	NA	NA	402.19		2.9	*
T-12											
4Q24	444.99	10/1/2024	NE	46.40	NA	NA	NA	398.59	398.16 - 372.16 (46.83 - 72.83)	0.1	*
1Q25	444.98	1/13/2025	NE	46.86	NA	NA	NA	398.12	398.15 - 372.15 (46.83 - 72.83)	0.0	
2Q25		4/1/2025	NE	47.20	NA	NA	NA	397.78		0.8	
3Q25		7/1/2025	NE	46.28	NA	NA	NA	398.70		1.4	*
T-13											
4Q24	443.76	10/1/2024	NE	43.15	NA	NA	NA	400.61	399.95 - 373.95 (43.81 - 69.81)	0.0	*
1Q25		1/13/2025	NE	43.33	NA	NA	NA	400.43		0.0	*
2Q25		4/1/2025	NE	43.89	NA	NA	NA	399.87		0.0	
3Q25		7/1/2025	NE	42.99	NA	NA	NA	400.77		0.0	*
T-15											
4Q24	445.35	10/2/2024	NE	45.02	NA	NA	NA	400.33	396.95 - 370.95 (48.40 - 74.40)	0.0	*
1Q25	445.34	1/13/2025	NE	44.81	NA	NA	NA	400.53	396.94 - 370.94 (48.40 - 74.40)	0.0	*
2Q25		4/2/2025	NE	45.30	NA	NA	NA	400.04		0.0	*
3Q25		7/1/2025	NE	44.55	NA	NA	NA	400.79		0.0	*
T-17											
4Q24	446.19	10/3/2024	NE	45.27	NA	NA	NA	400.92	401.72 - 375.72 (44.47 - 70.47)	0.1	
1Q25	446.23	1/13/2025	NE	44.75	NA	NA	NA	401.48	401.76 - 375.76 (44.47 - 70.47)	0.0	
2Q25		4/2/2025	NE	45.08	NA	NA	NA	401.15		0.0	
3Q25		7/2/2025	NE	43.90	NA	NA	NA	402.33		0.0	*
T-19											
4Q24	446.99	10/2/2024	NE	48.44	NA	NA	NA	398.55	396.22 - 370.22 (50.77 - 76.77)	35.3	*
1Q25	446.98	1/13/2025	NE	48.05	NA	NA	NA	398.93	396.21 - 370.21 (50.77 - 76.77)	90.0	*
2Q25		4/1/2025	NE	48.72	NA	NA	NA	398.26		2.4	*
3Q25		7/2/2025	NE	47.90	NA	NA	NA	399.08		14.6	*
T-21											
4Q24	444.22	10/3/2024	NE	35.45	NA	NA	NA	408.77	412.26 - 386.26 (31.96 - 57.96)	0.0	
1Q25	444.23	1/14/2025	NE	35.16	NA	NA	NA	409.07	412.27 - 386.27 (31.96 - 57.96)	0.0	
2Q25		4/3/2025	NE	35.55	NA	NA	NA	408.68		0.0	
3Q25		7/3/2025	NE	34.25	NA	NA	NA	409.98		0.0	
T-22											
4Q24	442.37	10/3/2024	NE	36.05	NA	NA	NA	406.32	410.82 - 385.12 (31.55 - 57.25)	0.0	
1Q25	442.38	1/14/2025	NE	36.36	NA	NA	NA	406.02	410.83 - 385.13 (31.55 - 57.25)	0.0	
2Q25		4/3/2025	NE	36.85	NA	NA	NA	405.53		0.0	
3Q25		7/3/2025	NE	35.32	NA	NA	NA	407.06		0.0	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	COMMENTS
T-23											
4Q24	432.90	10/3/2024	NE	28.49	NA	NA	NA	404.41	405.67 - 379.67 (27.23 - 53.23)	0.0	
1Q25	432.87	1/15/2025	NE	28.97	NA	NA	NA	403.90	405.64 - 379.64 (27.23 - 53.23)	0.0	
2Q25		4/3/2025	NE	29.56	NA	NA	NA	403.31		0.0	
3Q25		7/2/2025	NE	28.06	NA	NA	NA	404.81		0.0	
T-24											
4Q24	444.00	10/1/2024	44.80	45.89	398.11	399.20	1.09	398.98	402.50 - 376.85 (41.50 - 67.15)	0.0	
1Q25		1/13/2025	44.93	45.52	398.48	399.07	0.59	398.95		0.0	
2Q25		4/1/2025	45.65	45.67	398.33	398.35	0.02	398.35		0.0	
3Q25		7/1/2025	44.63	44.76	399.24	399.37	0.13	399.34		0.0	
T-28											
4Q24	444.56	10/3/2024	NE	44.14	NA	NA	NA	400.42	Unknown	0.0	
1Q25	444.59	1/13/2025	NE	43.61	NA	NA	NA	400.98		0.0	
2Q25		4/2/2025	NE	44.13	NA	NA	NA	400.46		0.0	
3Q25		7/2/2025	NE	43.20	NA	NA	NA	401.39		0.0	
T-37											
4Q24	447.44	10/3/2024	NE	45.88	NA	NA	NA	401.56	398.59 - 378.59 (48.86 - 68.86)	0.0	*
1Q25		1/13/2025	NE	45.83	NA	NA	NA	401.61		0.0	*
2Q25		4/1/2025	NE	46.35	NA	NA	NA	401.09		0.0	*
3Q25		7/2/2025	NE	44.65	NA	NA	NA	402.79		0.0	*
T-38											
4Q24	445.89	10/3/2024	NE	42.53	NA	NA	NA	403.36	396.75 - 376.75 (49.14 - 69.14)	0.0	*
1Q25	445.85	1/13/2025	NE	43.01	NA	NA	NA	402.84	396.71 - 376.71 (49.14 - 69.14)	0.0	*
2Q25		4/1/2025	NE	43.60	NA	NA	NA	402.25		0.0	*
3Q25		7/3/2025	NE	41.66	NA	NA	NA	404.19		0.0	*
T-62											
4Q24	432.16	10/2/2024	NE	29.95	NA	NA	NA	402.21	412.45 - 382.45 (19.71 - 49.71)	0.0	
1Q25	432.15	1/15/2025	NE	30.47	NA	NA	NA	401.68	412.44 - 382.44 (19.71 - 49.71)	0.0	
2Q25		4/2/2025	NE	31.09	NA	NA	NA	401.06		0.0	
3Q25		7/2/2025	NE	29.86	NA	NA	NA	402.29		0.0	
T-63											
4Q24	431.55	10/2/2024	NE	29.45	NA	NA	NA	402.10	411.57 - 381.57 (19.98 - 49.98)	0.0	
1Q25	431.33	1/15/2025	NE	30.13	NA	NA	NA	401.20	411.35 - 381.35 (19.98 - 49.98)	0.0	
2Q25		4/2/2025	NE	30.74	NA	NA	NA	400.59		0.0	
3Q25		7/2/2025	NE	29.36	NA	NA	NA	401.97		0.0	
T-64											
4Q24	429.10	10/2/2024	NE	27.25	NA	NA	NA	401.85	409.29 - 379.29 (19.81 - 49.81)	0.0	
1Q25		1/15/2025	NE	28.13	NA	NA	NA	400.97		0.0	
2Q25		4/2/2025	NE	28.51	NA	NA	NA	400.59		0.0	
3Q25		7/2/2025	NE	27.11	NA	NA	NA	401.99		0.0	

NOTES:

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

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

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

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

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

6) Table includes comprehensive groundwater monitoring well gauging data for the last 4 quarters from the combined Village of Roxana Interim Groundwater Monitoring Program and the WRB Refining LP Wood River Refinery Program.

7) The screened interval for certain monitoring wells were 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 4Q accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

TABLE 1b
3Q25 WEEKLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
ROST-4-PZ(D)											
Weekly	442.91	7/9/2025	42.25	42.27	400.64	400.66	0.02	400.66	407.94 - 397.94 (34.97 - 44.97)	0.0	
		7/14/2025	42.25	42.28	400.63	400.66	0.03	400.65		0.0	
		8/1/2025	42.11	42.14	400.77	400.80	0.03	400.79		0.0	
		8/7/2025	41.94	41.96	400.95	400.97	0.02	400.97		0.0	
		8/13/2025	41.76	41.78	401.13	401.15	0.02	401.15		0.0	
		8/18/2025	41.65	41.66	401.25	401.26	0.01	401.26		0.0	
		8/25/2025	41.56	41.57	401.34	401.35	0.01	401.35		0.0	
		9/3/2025	NE	41.25	NE	NE	NE	401.66		0.0	
		9/10/2025	NE	40.15	NE	NE	NE	402.76		0.0	

NOTES:

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

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

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

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

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

6) 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 4Q24, in accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

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-01							
4Q24	6.69	18.82	1.066	5.79	0.74	92.33	
1Q25	6.75	15.38	1.301	1.63	0.71	106.66	Initial sample.
	6.85	14.41	0.963	26.74	0.92	46.39	Confirmation sample.
2Q25	6.65	19.12	1.287	3.13	1.01	93.85	
3Q25	6.72	20.80	1.089	17.57	0.89	108.21	
MW-02							
4Q24	7.07	21.68	0.794	7.54	0.62	-169.17	
1Q25	7.10	15.77	0.891	5.04	0.70	-28.64	
2Q25	7.10	19.65	0.882	7.18	1.12	-29.13	
3Q25	7.00	20.42	0.812	8.44	0.77	-3.14	
MW-03							
4Q24	6.91	21.47	1.058	2.88	0.66	-146.47	
1Q25	6.78	17.29	1.032	5.41	0.68	130.86	
2Q25	6.71	16.87	1.173	0.00	0.92	-0.90	
3Q25	6.74	21.00	1.428	0.00	0.47	-142.80	
MW-04							
4Q24	6.97	18.55	1.116	0.00	0.43	-100.27	
1Q25	6.73	15.62	1.171	8.97	0.69	40.83	
2Q25	6.77	19.28	0.925	16.69	1.53	66.84	
3Q25	6.77	20.84	0.919	3.30	0.52	-89.14	
MW-05							
4Q24	6.46	19.50	1.143	6.90	0.68	-116.54	
1Q25	6.92	14.79	1.242	12.51	0.68	133.44	
2Q25	6.66	18.19	1.324	1.50	0.91	-53.76	
3Q25	6.67	21.80	1.208	0.00	0.34	-139.20	
MW-06A							
4Q24	6.57	20.82	0.612	36.99	0.70	-67.57	
1Q25	6.94	16.32	1.023	26.24	0.62	-11.17	
2Q25	6.71	21.20	1.223	5.31	0.90	-34.36	
3Q25	6.79	21.88	0.763	16.34	0.78	-135.70	
MW-06B							
4Q24	6.99	21.31	0.769	45.35	0.62	-126.76	
1Q25	7.23	16.72	0.852	6.31	0.74	97.84	
2Q25	7.05	19.16	0.962	3.88	0.85	-17.78	
3Q25	7.07	21.67	0.651	0.00	0.92	-115.65	
MW-06C							
4Q24	6.96	20.02	0.699	16.81	0.80	-138.94	
1Q25	7.00	16.97	0.825	3.66	0.80	43.40	
2Q25	6.92	18.51	1.038	7.94	0.98	57.44	
3Q25	6.85	19.57	0.770	0.00	0.92	-57.42	
MW-06D							
4Q24	6.92	19.17	0.924	28.83	0.60	-146.60	
1Q25	6.85	16.43	1.192	4.90	0.71	143.30	
2Q25	7.00	18.63	0.777	49.67	2.04	64.09	
3Q25	7.02	19.82	0.929	0.33	0.88	-117.88	

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-07							
4Q24	NM	NM	NM	NM	NM	NM	Not sampled due to operation of FPWY SEE System
1Q25	6.70	36.82	0.974	10.51	0.49	-42.97	
2Q25	6.66	36.80	1.093	12.95	0.98	46.61	
3Q25	NM	NM	NM	NM	NM	NM	Not sampled due to operation of FPWY SEE System
MW-09							
4Q24	6.69	19.00	0.909	0.41	0.63	-124.50	
1Q25	6.76	15.30	0.945	31.98	0.70	201.60	
2Q25	6.82	17.03	1.027	16.07	0.83	-28.01	
3Q25	6.68	20.31	0.909	1.82	0.51	-88.03	
MW-10							
4Q24	6.81	19.48	1.514	17.52	0.67	-142.59	
1Q25	6.87	16.00	1.573	25.11	0.74	184.70	
2Q25	6.83	18.06	2.237	33.50	0.81	21.62	
3Q25	6.85	20.36	1.736	15.30	0.40	-122.98	
MW-11							
4Q24	6.63	18.70	1.410	40.86	0.56	-66.39	
1Q25	6.89	14.46	1.761	18.63	0.64	-58.49	
2Q25	6.74	17.66	1.552	25.51	0.93	-7.54	
3Q25	6.71	20.81	1.351	34.96	0.97	-101.77	
MW-12							
4Q24	6.69	21.11	0.935	19.27	0.76	71.57	
1Q25	6.90	14.38	0.908	2.29	1.69	131.04	Initial sample.
	6.77	16.11	0.729	7.62	0.85	181.58	Confirmation sample.
2Q25	6.79	16.95	1.062	2.98	0.93	91.03	
3Q25	6.88	20.86	0.704	12.10	1.14	76.53	
MW-13							
4Q24	6.35	21.22	1.210	22.55	0.63	-92.57	
1Q25	6.57	19.30	1.209	40.74	0.64	151.10	
2Q25	6.46	21.34	1.127	31.28	0.82	67.16	
3Q25	6.54	22.13	1.174	9.73	1.23	-83.83	
MW-14							
4Q24	6.46	22.06	1.027	7.22	0.60	-90.83	
1Q25	6.47	17.62	1.160	3.69	0.61	14.88	
2Q25	6.40	18.65	1.381	3.03	1.06	12.06	
3Q25	6.56	22.53	1.265	39.36	0.96	-27.26	
MW-16							
4Q24	6.77	20.51	1.027	7.01	0.74	-125.50	
1Q25	6.85	17.39	1.178	3.01	3.05	-128.39	Initial sample.
	6.78	15.91	0.914	1.44	0.86	-51.98	Confirmation sample.
2Q25	6.60	16.77	1.193	3.09	0.82	82.08	
3Q25	6.83	22.83	0.928	0.00	0.85	-127.13	

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-22							
4Q24	6.98	19.14	1.177	6.18	0.50	-138.41	
1Q25	6.90	16.10	1.327	9.05	0.80	-39.50	
2Q25	6.67	19.07	1.378	2.15	1.30	56.21	
3Q25	6.65	21.41	1.039	13.97	0.82	-102.86	
MW-23							
4Q24	6.44	20.26	1.028	28.24	0.72	-84.62	
1Q25	6.79	16.24	1.080	23.21	0.64	113.93	
2Q25	6.63	17.46	1.128	19.81	0.90	4.80	
3Q25	6.43	21.20	0.865	8.56	0.34	-100.70	
MW-24							
4Q24	6.61	18.03	1.557	4.14	1.32	184.85	
1Q25	6.88	17.88	1.640	7.17	0.56	99.63	Initial sample.
	6.95	14.01	1.302	10.53	0.83	117.62	Confirmation sample.
2Q25	6.68	21.29	1.231	12.48	1.52	93.41	
3Q25	17.38*	20.55	1.113	5.47	1.68	56.29	
MW-25							
4Q24	7.12	19.46	0.965	24.08	0.46	-123.98	
1Q25	6.70	33.11	1.079	12.44	0.42	-48.12	
2Q25	6.62	31.95	1.104	32.25	1.23	-1.32	
3Q25	6.27	46.83	1.091	18.46	0.31	-114.82	
MW-26							
4Q24	6.64	18.63	0.698	16.10	0.76	144.39	
1Q25	7.26	16.60	0.906	4.57	0.91	96.00	
2Q25	6.90	17.74	1.029	5.25	0.94	88.37	
3Q25	6.76	21.24	0.722	3.11	0.95	108.56	
MW-27							
4Q24	6.86	20.52	0.870	10.58	3.10	112.46	
1Q25	7.01	16.59	0.849	17.37	3.90	143.00	
2Q25	6.93	18.98	1.028	13.26	5.59	102.76	
3Q25	6.89	22.48	0.810	13.70	4.51	103.48	
MW-28							
4Q24	6.65	18.32	1.575	37.09	0.48	-85.98	
1Q25	6.82	17.67	1.106	35.51	0.79	130.83	
2Q25	6.60	19.01	1.239	6.93	1.34	45.26	
3Q25	6.74	19.81	1.990	28.42	0.33	-105.05	
P-54							
4Q24	6.73	17.87	1.213	1.92	4.68	141.70	
1Q25	6.80	14.98	1.195	4.16	4.09	110.22	Initial sample.
	6.92	11.37	0.902	-1.03	5.48	127.06	Confirmation sample.
2Q25	6.58	17.31	1.139	0.72	3.35	229.00	
3Q25	6.71	20.62	1.044	0.00	5.18	125.67	
P-55R							
4Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	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							
4Q24	7.34	18.85	0.991	21.31	1.27	-205.41	
1Q25	6.91	17.57	1.065	2.85	0.51	-4.56	
2Q25	7.06	20.50	1.118	1.67	0.45	91.40	
3Q25	6.97	22.65	1.275	4.77	0.46	-114.37	
P-57							
4Q24	6.79	18.96	1.073	0.00	0.43	-116.83	
1Q25	6.72	17.34	1.086	0.52	0.50	-48.86	
2Q25	6.58	19.55	1.145	2.03	1.71	59.34	
3Q25	6.54	22.84	0.930	0.00	0.48	-104.07	
P-58							
4Q24	6.72	25.02	1.546	19.76	0.31	-137.09	
1Q25	6.91	29.20	1.121	12.39	0.57	90.00	
2Q25	6.43	30.20	1.011	9.69	0.56	119.70	
3Q25	6.52	31.77	1.503	0.00	0.33	-114.37	
P-59							
4Q24	6.85	22.10	1.564	0.00	1.02	-150.07	
1Q25	6.83	15.16	1.701	9.22	0.67	116.76	
2Q25	6.87	23.30	1.299	7.65	0.50	94.40	
3Q25	6.69	25.09	1.521	2.57	0.24	-117.89	
P-66							
4Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-68							
4Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q25	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
P-74							
4Q24	6.21	20.09	0.501	8.40	0.50	-44.54	
1Q25	6.61	14.03	1.033	10.04	0.68	125.57	
2Q25	6.27	20.80	0.519	35.00	0.60	80.40	
3Q25	6.51	22.83	0.820	3.21	0.36	-87.66	
P-93A							
4Q24	6.82	19.57	1.221	5.41	1.10	-142.49	
1Q25	6.90	17.20	1.444	1.80	0.67	97.50	
2Q25	6.56	22.00	1.128	0.00	0.62	128.60	
3Q25	6.64	25.97	1.205	0.00	0.54	-98.66	
P-93B							
4Q24	6.88	19.28	0.985	130.31*	0.83	-145.25	
1Q25	6.99	17.40	1.234	8.81	0.67	114.60	
2Q25	6.69	20.70	0.804	7.27	0.65	103.00	
3Q25	6.69	22.40	1.210	0.00	0.25	-83.14	

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							
4Q24	7.02	17.88	0.993	4.47	1.09	-150.74	
1Q25	6.83	16.50	1.014	1.62	0.72	132.20	
2Q25	6.91	20.40	0.666	0.00	0.60	122.50	
3Q25	6.99	25.77	0.850	15.89	0.58	-113.39	
P-93D							
4Q24	7.18	18.32	1.140	5.43	1.81	-111.61	
1Q25	7.04	16.81	1.139	1.56	1.09	-8.65	
2Q25	6.93	19.10	1.087	6.34	0.50	150.20	
3Q25	7.01	23.87	1.019	6.21	0.44	-110.75	
P-114R							
4Q24	6.58	22.73	1.243	12.04	0.58	-146.83	
1Q25	6.77	19.88	1.034	26.85	0.60	86.61	
2Q25	6.62	21.45	0.702	26.26	1.18	84.48	
3Q25	6.57	23.55	0.966	16.76	0.79	-111.07	
ROST-3-MW							
4Q24	6.81	17.26	1.400	22.03	0.47	-117.41	
1Q25	6.69	16.40	1.360	26.08	0.72	127.50	
2Q25	6.60	17.99	1.322	20.50	1.37	29.74	
3Q25	6.77	21.00	0.890	0.00	0.43	-102.40	
ROST-4-PZ(C)							
4Q24	7.04	17.52	1.544	13.97	0.48	-138.06	
1Q25	6.95	16.24	1.830	0.96	0.53	-17.73	
2Q25	6.86	20.26	1.680	14.21	1.43	70.61	
3Q25	6.80	20.80	1.402	0.00	0.44	-126.08	
ROST-4-PZ(E)							
4Q24	6.96	19.40	1.731	38.13	2.43	30.00	
1Q25	7.15	11.10	1.715	18.67	4.93	152.00	
2Q25	6.86	19.85	1.713	6.63	3.03	150.49	
3Q25	6.70	20.72	1.472	4.95	5.06	170.42	
ROST-4-PZ(G)							
4Q24	7.16	20.23	1.343	25.65	0.43	-161.84	
1Q25	7.04	15.47	1.866	5.75	0.48	-83.12	
2Q25	6.89	20.95	1.680	3.25	1.29	-2.45	
3Q25	6.77	22.00	1.320	0.00	0.31	-151.30	
T-12							
4Q24	6.86	18.29	1.381	0.00	1.07	-137.28	
1Q25	7.01	15.71	1.408	3.08	0.67	107.38	
2Q25	6.77	22.40	1.189	6.54	0.54	70.60	
3Q25	6.73	24.14	1.213	12.11	0.27	-139.65	

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.

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene
Screening Values* (mg/L)			**3.5** [1]	**0.005** [1]	**2.3** [1]	**0.35** [3]	**0.7** [3]	**0.7** [3]	**0.38** [1]	**0.07** [1]	**5,320** [3]		**0.07** [1]	**0.7** [1]	**0.38** [1]	**0.038** [1]	**0.077** [1]	**0.7** [3]	**0.1** [1]	**0.005** [1]	**1.0** [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-01	MW1-ROX-100724	10/7/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	0.00048 J	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW1-ROX-100724-DUP	10/7/2024	< 0.01	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	0.0011	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW1-ROX-011725	1/17/2025	< 0.025	0.0041	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-021425	2/14/2025	< 0.025	0.00084 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00060 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00060 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00042 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-02	MW2-ROX-100924	10/9/2024	0.011 J	0.00089 J	0.0064 J	0.0025	0.0049	0.00063 J	< 0.0010	< 0.0010	< 0.0010	0.0025	< 0.0010	0.013	0.03	< 0.0010	0.0045 J	0.048	< 0.0010	< 0.0010	0.0015
	MW2-ROX-012425	1/24/2025	< 0.025	0.0027	< 0.025	0.0046	0.0061	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0038	< 0.0010	0.11	0.047	< 0.0010	0.014	0.07	< 0.0010	< 0.0010	0.0022
	MW2-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	0.0077	0.01	0.00090 J	< 0.0010	< 0.0010	< 0.0010	0.0038	< 0.0010	0.056	0.061	< 0.0010	0.014	0.097	< 0.0010	< 0.0010	0.0022
	MW2-ROX-071525	7/15/2025	0.02 J	0.00072 J	0.013 J	0.0027	0.0058	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0033	< 0.0010	0.025	0.033	< 0.0010	0.0043 J	0.052	< 0.0010	< 0.0010	0.0012
MW-03	MW3-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00039 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-011625	1/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-040925	4/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00069 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00030 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-04	MW4-ROX-101824	10/18/2024	< 0.025 UJ	0.00064 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-012725	1/27/2025	< 0.025	0.0012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0022	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-041825	4/18/2025	0.017 J	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-071525	7/15/2025	< 0.025	7.5	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00023 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-05	MW5-ROX-101124	10/11/2024	< 0.025	0.00026 J	< 0.025	< 0.0010	< 0.0010	0.0018	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0018	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-101124-DUP	10/11/2024	< 0.025	0.00067 J	< 0.025	< 0.0010	< 0.0010	0.0014	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0018	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-011625	1/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0016	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-040925	4/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0022	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0026	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-06A	MW6A-ROX-100924	10/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00031 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00032 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00038 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-06B	MW6B-ROX-100824	10/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00035 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-012225	1/22/2025	< 0.025	0.00081 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00030 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00042 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-041025-DUP	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-06C	MW6C-ROX-100824	10/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-041025	4/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-070925	7/9/2025	< 0.025 UJ	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-06D	MW6D-ROX-100824	10/8/2024	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-040925	4/9/2025	< 0.025 UJ	0.00076 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-07	MW7-ROX-012725	1/27/2025	< 50	390	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	MW7-ROX-041825	4/18/2025	< 25 UJ	400	< 25 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ
MW-09	MW9-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW9-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-040425	4/4/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010
	MW9-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-10	MW10-ROX-100724	10/7/2024	< 0.01	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	0.00063 J	< 0.0010	< 0.00050
	MW10-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-070725	7/7/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-11	MW11-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW11-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-12	MW12-ROX-101124	10/11/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-011625	1/16/2025	< 0.025	0.032	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-021325	2/13/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-040825	4/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-13	MW13-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00093 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-012325	1/23/2025	< 0.025	0.00056 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00081 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-012325-DUP	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00077 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00093 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00054 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-14	MW14-ROX-100924	10/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-012425	1/24/2025	< 0.025	0.0018	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00069 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-041525	4/15/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00078 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-071025	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-071025-DUP	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-16	MW16-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW16-ROX-011625	1/16/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-040825	4/8/2025	< 0.025 UJ	< 0.0010	< 0.025 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010 UJ	< 0.0010 UJ	< 0.0010	< 0.0050	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ
	MW16-ROX-070725	7/7/2025	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-22	MW22-ROX-101624	10/16/2024	< 0.13	0.018	< 0.13	0.012	0.0074	0.0083	< 0.0050	< 0.0050	< 0.0050	0.0038 J	< 0.0050	0.44	0.068	< 0.0050	0.16	0.14	< 0.0050	0.0025 J	0.048
	MW22-ROX-012425	1/24/2025	< 0.05	0.053	< 0.05	0.011	0.0072	0.011	< 0.0020	< 0.0020	< 0.0020	0.0034	< 0.0020	0.83	0.086	< 0.0020	0.19	0.15	< 0.0020	< 0.0020	0.084
	MW22-ROX-041725	4/17/2025	< 0.25	0.083	< 0.25	0.019	0.012	0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.88	0.13	< 0.01	0.23	0.24	< 0.01	< 0.01	0.11
	MW22-ROX-041725-DUP	4/17/2025	< 0.25	0.079	< 0.25	0.017	0.011	0.015	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.82	0.12	< 0.01	0.22	0.22	< 0.01	< 0.01	0.1
	MW22-ROX-071525	7/15/2025	< 0.13	0.021	< 0.13	< 0.0050	< 0.0050	< 0.0050	0.0069	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.24	0.027	< 0.0050	0.12	0.043	< 0.0050	< 0.0050	0.042

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																		
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-23	MW23-ROX-101124	10/11/2024	< 0.025	0.00059 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00061 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW23-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00031 J	< 0.0010	< 0.0010	0.00076 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW23-ROX-040825	4/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00036 J	< 0.0010	< 0.0010	0.00094 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW23-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00029 J	< 0.0010	< 0.0010	0.0012	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-24	MW24-ROX-101424	10/14/2024	< 0.025	0.00056 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-011725	1/17/2025	< 0.025	0.0015	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-041425	4/14/2025	< 0.025	0.0019	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-071525	7/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	0.00090 J	< 0.0010	< 0.0010	< 0.0010
MW-25	MW25-ROX-101824	10/18/2024	< 0.025	0.043	< 0.025	< 0.0010	< 0.0010	0.0011	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW25-ROX-101824-DUP	10/18/2024	< 0.025	0.039	< 0.025	< 0.0010	< 0.0010	0.00075 J	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW25-ROX-012725	1/27/2025	< 50	650	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-012725-DUP	1/27/2025	< 50	610	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-041825	4/18/2025	< 2.5	190	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.1	0.14	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	0.12
	MW25-ROX-041825-DUP	4/18/2025	< 2.5	230	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.1	0.14	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	0.15
	MW25-ROX-071525	7/15/2025	< 50	410	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	MW25-ROX-071525-DUP	7/15/2025	< 50	400	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
MW-26	MW26-ROX-100724	10/7/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.00050
	MW26-ROX-012825	1/28/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-040825	4/8/2025	< 0.025	0.00057 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-27	MW27-ROX-101424	10/14/2024	< 0.025	0.00038 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-040725	4/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MW-28	MW28-ROX-101524	10/15/2024	< 0.025 UJ	0.00025 J	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00052 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00028 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-041525	4/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	MW28-ROX-070725	7/7/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00037 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-54	P54-ROX-101424	10/14/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-011725	1/17/2025	< 0.025	0.0045	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00059 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-041125	4/11/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-56	P56-ROX-101524	10/15/2024	< 0.13	< 0.0050	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.11	0.032	< 0.0050	0.016 J	0.036	< 0.0050	< 0.0050	< 0.0050
	P56-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	0.0036	0.0045	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0030	< 0.0010	0.46	0.053	< 0.0010	0.039	0.06	< 0.0010	< 0.0010	0.0049
	P56-ROX-041625	4/16/2025	< 0.13	< 0.0050	< 0.13	< 0.0050	0.0043 J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.16	0.031	< 0.0050	< 0.025	0.036	< 0.0050	< 0.0050	< 0.0050
	P56-ROX-071025	7/10/2025	< 0.05	< 0.0020	< 0.05	0.0021	0.0036	< 0.0020	< 0.0020	0.0031	< 0.0020	0.0019 J	< 0.0020	0.0082 F2	0.031	< 0.0020	0.0094 J	0.036	< 0.0020	< 0.0020	< 0.0020

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																	
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene
Screening Values* (mg/L)			**3.5** [1]	**0.005** [1]	**2.3** [1]	**0.35** [3]	**0.7** [3]	**0.7** [3]	**0.38** [1]	**0.07** [1]	**5,320** [3]		**0.07** [1]	**0.7** [1]	**0.38** [1]	**0.038** [1]	**0.077** [1]	**0.7** [3]	**0.1** [1]	**0.005** [1]	**1.0** [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-57	P57-ROX-101724	10/17/2024	< 0.025	0.066	< 0.025	0.0018	0.0040	0.0053	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0017	0.015	< 0.0010	0.016	0.016	< 0.0010	< 0.0010	0.0032
	P57-ROX-012325	1/23/2025	< 0.025	0.1	< 0.025	0.0059	0.011	0.012	< 0.0010	< 0.0010	< 0.0010	0.00088 J	< 0.0010	0.0045	0.043	< 0.0010	0.032	0.054	< 0.0010	< 0.0010	0.0058
	P57-ROX-041725	4/17/2025	< 0.025	0.059	0.0027 J	0.0026	0.0051	0.0055	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0020	0.025	< 0.0010	0.018	0.027	< 0.0010	< 0.0010	0.0039
	P57-ROX-071025	7/10/2025	< 0.025	0.0072	0.0031 J	0.0010	0.0028	0.0033	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	0.00051 J	0.012	< 0.0010	< 0.0050	0.0088	< 0.0010	< 0.0010	0.0028
P-58	P58-ROX-101724	10/17/2024	< 25	230	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-012725	1/27/2025	< 50	230	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	P58-ROX-041825	4/18/2025	< 25	200	< 25	< 1	< 1	< 1	< 1	< 1	< 1 UJ	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-071425	7/14/2025	< 25	390	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.66 J	< 1	< 1	< 5	< 1	< 1	< 1	< 1
	P58-ROX-071425-DUP	7/14/2025	< 25	350	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.63 J	< 1	< 1	< 5	< 1	< 1	< 1	< 1
P-59	P59-ROX-101624	10/16/2024	< 0.13	0.91	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.3	0.023	< 0.0050	0.055	0.034	< 0.0050	< 0.0050	0.12
	P59-ROX-012425	1/24/2025	0.033	0.23	< 0.025	0.0031	0.0019	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.088	0.028	< 0.0010	0.024	0.04	< 0.0010	< 0.0010	0.06
	P59-ROX-012425-DUP	1/24/2025	0.034	0.41	< 0.025	0.0037	0.0022	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.16	0.034	< 0.0010	0.037	0.05	< 0.0010	< 0.0010	0.09
	P59-ROX-041625	4/16/2025	0.056 J	0.61	0.014 J	0.0049 J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.18	0.049	< 0.0050	0.032	0.082	< 0.0050	< 0.0050	0.11
	P59-ROX-071125	7/11/2025	< 0.25	0.42	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.21	0.017	< 0.01	0.039 J	0.028	< 0.01	< 0.01	0.064
P-74	P74-ROX-101724	10/17/2024	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.035
	P74-ROX-101724-DUP	10/17/2024	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.1	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.033
	P74-ROX-012425	1/24/2025	< 0.25	3.5	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.052	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.06
	P74-ROX-041825	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.018
	P74-ROX-041825-DUP	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 UJ	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.019
	P74-ROX-071125	7/11/2025	< 0.25	4.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.074	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	0.052
P-93A	P93A-ROX-101724	10/17/2024	< 25	190	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
	P93A-ROX-012725	1/27/2025	< 5	40	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
	P93A-ROX-012725-DUP	1/27/2025	< 5	40	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
	P93A-ROX-041725	4/17/2025	< 13	49	< 13	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5
	P93A-ROX-071125	7/11/2025	< 5	56	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	< 0.2
P-93B	P93B-ROX-101724	10/17/2024	< 25 UJ	720	< 25 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ
	P93B-ROX-012725	1/27/2025	< 50	460	< 50	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 2	< 2	< 2	< 2
	P93B-ROX-041825	4/18/2025	< 130	880	< 130	< 5	< 5	< 5	< 5	< 5	< 5 UJ	< 5	< 5	< 5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
	P93B-ROX-071425	7/14/2025	< 130 UJ	930	< 130 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 25 UJ	< 5 UJ	< 5 UJ	< 5 UJ	< 5 UJ
P-93C	P93C-ROX-101724	10/17/2024	< 0.5	2.9	< 0.5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.1	< 0.02	< 0.02	< 0.02	< 0.02
	P93C-ROX-012725	1/27/2025	< 2.5	13	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 0.1
	P93C-ROX-041725	4/17/2025	< 0.05	0.25	< 0.05	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.00044 J	< 0.01	< 0.0020	< 0.0020	< 0.0020	< 0.0020
	P93C-ROX-071025	7/10/2025	< 0.025	1.7	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93C-ROX-071025-DUP	7/10/2025	< 0.025	1.9	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00035 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-93D	P93D-ROX-101524	10/15/2024	< 0.025	0.00027 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0013	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00077 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00090 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-071025	7/10/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00051 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P-114R	P114R-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0011	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00096 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-041425	4/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00061 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00057 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																	
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chloroform	Chloromethane	Cymene (p-Isopropyltoluene)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.38 [1]	0.07 [1]	5,320 [3]		0.07 [1]	0.7 [1]	0.38 [1]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
ROST-3-MW	ROST3MW-ROX-101524	10/15/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-041525	4/15/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-070825	7/8/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00066 J	< 0.0010	< 0.0050	0.00076 J	< 0.0010	< 0.0010	< 0.0010
ROST-4-PZ(C)	ROST4PZ(C)-ROX-101624	10/16/2024	< 0.025	0.0016	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00054 J	0.0044	< 0.0010	0.049	0.0066	< 0.0010	< 0.0010	0.0088
	ROST4PZ(C)-ROX-101624-DUP	10/16/2024	< 0.025	0.0017	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00071 J	0.0037	< 0.0010	0.05	0.0055	< 0.0010	< 0.0010	0.0078
	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.025	0.0011	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0066	< 0.0010	0.066	0.0095	< 0.0010	< 0.0010	0.01
	ROST4PZC-ROX-041625	4/16/2025	< 0.025	0.0014	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.0010	0.00060 J	0.0099	< 0.0010	0.11	0.014	< 0.0010	< 0.0010	0.013
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.025	0.0015	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.0010	0.00069 J	0.0098	< 0.0010	0.11	0.014	< 0.0010	< 0.0010	0.013
	ROST4PZC-ROX-070925	7/9/2025	< 0.025	0.0011	0.0077 J	< 0.0010	< 0.0010	< 0.0010	0.00053 J	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	0.0041	< 0.0010	0.069	0.0052	< 0.0010	< 0.0010	0.0087
	ROST4PZC-ROX-070925-DUP	7/9/2025	< 0.025	0.0010	0.0079 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	0.0046	< 0.0010	0.077	0.0057	< 0.0010	< 0.0010	0.0088
ROST-4-PZ(E)	ROST4PZE-ROX-101524	10/15/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-070925	7/9/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
ROST-4-PZ(G)	ROST4PZG-ROX-101624	10/16/2024	< 0.025	0.0056	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00093 J	0.0041	< 0.0010	0.0040 J	0.0055	< 0.0010	< 0.0010	0.0014
	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00091 J	0.0058	< 0.0010	0.0071	0.0083	< 0.0010	< 0.0010	0.0016
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.025	0.0073	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00089 J	0.0053	< 0.0010	0.0048 J	0.0075	< 0.0010	< 0.0010	0.0015
	ROST4PZG-ROX-041625	4/16/2025	< 0.025	0.012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012	0.0070	< 0.0010	0.0091	0.011	< 0.0010	< 0.0010	0.0017
	ROST4PZG-ROX-070925	7/9/2025	< 0.025	0.0083	0.0087 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	0.00091 J	0.0022	< 0.0010	0.0053	0.0025	< 0.0010	< 0.0010	0.0013
T-12	T12-ROX-101624	10/16/2024	< 0.25	1.4	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.044	0.019	< 0.01	< 0.05	0.033	< 0.01	< 0.01	0.1
	T12-ROX-012425	1/24/2025	< 0.13	1.8	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.18	0.028	< 0.0050	0.069	0.048	< 0.0050	< 0.0050	0.23
	T12-ROX-0414625	4/16/2025	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.11	0.035	< 0.01	0.05	0.059	< 0.01	< 0.01	0.15
	T12-ROX-071125	7/11/2025	< 0.25	1.2	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.041	0.022	< 0.01	0.036 J	0.037	< 0.01	< 0.01	0.065

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs						SVOCs												
			Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.005 [1]	0.07 [3]	0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]	0.21 [3]	15 [1]	0.7 [3]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-01	MW1-ROX-100724	10/7/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW1-ROX-100724-DUP	10/7/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW1-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW1-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW1-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	MW1-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-02	MW2-ROX-100924	10/9/2024	< 0.0010	0.0037	0.0066	0.0050	< 0.0050	0.0060 J	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW2-ROX-012425	1/24/2025	< 0.0010	0.016	0.02	0.053	0.0058	0.059	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW2-ROX-041625	4/16/2025	< 0.0010	0.02	0.022	0.029	0.0033 J	0.032	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.0099 UJ	< 0.0099	< 0.0099 UJ
	MW2-ROX-071525	7/15/2025	< 0.0010	0.0047	0.0032	0.014	< 0.0050	0.015	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-03	MW3-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.03	< 0.01	< 0.01	< 0.01
	MW3-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW3-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.028 J	< 0.01 UJ	< 0.01	< 0.01
	MW3-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097
MW-04	MW4-ROX-101824	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	MW4-ROX-012725	1/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW4-ROX-041825	4/18/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.032 J	< 0.01 UJ	< 0.01	< 0.01
	MW4-ROX-071525	7/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-05	MW5-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0098	< 0.00019	< 0.0098	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0098	< 0.0098	< 0.0098
	MW5-ROX-101124-DUP	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW5-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW5-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0098 UJ	< 0.0098	< 0.0098
	MW5-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-06A	MW6A-ROX-100924	10/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	0.000046 J	< 0.00020	< 0.029	< 0.0098	< 0.0098	< 0.0098
	MW6A-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.011	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.032	< 0.011	< 0.011	< 0.011
	MW6A-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01
	MW6A-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-06B	MW6B-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW6B-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.011	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.032	< 0.011	< 0.011	< 0.011
	MW6B-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01
	MW6B-ROX-041025-DUP	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	MW6B-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097
MW-06C	MW6C-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW6C-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW6C-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	0.000078 J	0.000070 J	0.000082 J	0.000079 J	< 0.03	< 0.01 UJ	0.00042 J	< 0.01
	MW6C-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0093	< 0.00019	< 0.0093	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.093	< 0.033	0.00049 J	< 0.0093
MW-06D	MW6D-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097 UJ	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029 UJ	< 0.0097	< 0.0097	< 0.0097
	MW6D-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW6D-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	0.000083 J	0.00011 J	0.00019 J	0.00014 J	< 0.03	< 0.01 UJ	< 0.01 UJ	< 0.01
	MW6D-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.097	< 0.034	< 0.0097	< 0.0097

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs						SVOCs													
			Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.005 [1]	0.07 [3]	0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]	0.21 [3]	15 [1]	0.7 [3]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																			
MW-07	MW7-ROX-012725	1/27/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.00051 J	< 0.01	< 0.0097	0.000094 J	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW7-ROX-041825	4/18/2025	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	0.00036	0.000063 J	0.0013 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.077 J	< 0.0098 UJ	< 0.0098	< 0.0098
MW-09	MW9-ROX-100424	10/4/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.03	< 0.01	< 0.01	< 0.01
	MW9-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01	< 0.01
	MW9-ROX-040425	4/4/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	MW9-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-10	MW10-ROX-100724	10/7/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW10-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW10-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020 UJ	< 0.00020	< 0.00020 UJ	< 0.03	< 0.01 UJ	< 0.01	< 0.01
	MW10-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-11	MW11-ROX-100424	10/4/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01 UJ	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.031	< 0.01	< 0.01	< 0.01
	MW11-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01	< 0.01
	MW11-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	MW11-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-12	MW12-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0094 UJ	< 0.00019	< 0.0094	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0094	< 0.0094 UJ	< 0.0094
	MW12-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0095	< 0.0095	< 0.0095
	MW12-ROX-021325	2/13/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW12-ROX-040825	4/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01	< 0.01 UJ
	MW12-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-13	MW13-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.0096	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-012325-DUP	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW13-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01
	MW13-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.096	< 0.033	< 0.0096	< 0.0096
MW-14	MW14-ROX-100924	10/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW14-ROX-012425	1/24/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW14-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	0.032 J	< 0.0096 UJ	< 0.0096	< 0.0096
	MW14-ROX-071025	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099
	MW14-ROX-071025-DUP	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-16	MW16-ROX-100424	10/4/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.031	< 0.01	< 0.01	< 0.01
	MW16-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW16-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW16-ROX-040825	4/8/2025	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.01 UJ	< 0.00019	< 0.00019	< 0.0093 UJ	< 0.00019	< 0.0093	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0093 UJ	< 0.0093 UJ	< 0.0093
	MW16-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098
MW-22	MW22-ROX-101624	10/16/2024	< 0.0050	0.17	0.11	0.85	0.046	0.89	0.00012 J	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW22-ROX-012425	1/24/2025	< 0.0020	0.22	0.11	1.4	0.078	1.5	0.00010 J	< 0.0099	< 0.0093	< 0.0099	< 0.0093	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.028	< 0.0093	< 0.0093	< 0.0093
	MW22-ROX-041725	4/17/2025	< 0.01	0.26	0.15	2.1	0.11	2.2	0.000096 J	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	0.012	< 0.0098	< 0.0098 UJ
	MW22-ROX-041725-DUP	4/17/2025	< 0.01	0.23	0.13	1.9	0.11	2	0.000086 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.028 J J	0.0094 J	< 0.0099	< 0.0099 UJ
	MW22-ROX-071525	7/15/2025	< 0.0050	0.062	0.031	0.6	0.029	0.63	< 0.00020	< 0.00020	0.00078 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs						SVOCs												
			Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.005 [1]	0.07 [3]	0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]	0.21 [3]	15 [1]	0.7 [3]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-23	MW23-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW23-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	MW23-ROX-040825	4/8/2025	0.00055 J	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	MW23-ROX-070825	7/8/2025	0.00031 J	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-24	MW24-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW24-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	MW24-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW24-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.0099 UJ	< 0.0099	< 0.0099 UJ
	MW24-ROX-071525	7/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-25	MW25-ROX-101824	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	MW25-ROX-101824-DUP	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	MW25-ROX-012725	1/27/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.00011 J	< 0.01	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0095	< 0.0095	< 0.0095
	MW25-ROX-012725-DUP	1/27/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.00010 J	< 0.01	< 0.0093	< 0.01	< 0.0093	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0093	< 0.0093	< 0.0093
	MW25-ROX-041825	4/18/2025	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.00020	< 0.00020	0.0054 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.047 J	< 0.0098 UJ	< 0.0098	< 0.0098
	MW25-ROX-041825-DUP	4/18/2025	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.00019	0.000049 J	0.0055 J	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	0.049 J	< 0.0097 UJ	< 0.0097	< 0.0097
	MW25-ROX-071525	7/15/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.00017 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
	MW25-ROX-071525-DUP	7/15/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.00014 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
MW-26	MW26-ROX-100724	10/7/2024	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096	< 0.0096
	MW26-ROX-012825	1/28/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW26-ROX-040825	4/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01	< 0.01 UJ
	MW26-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-27	MW27-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	MW27-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01
	MW27-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0010	< 0.0010	< 0.05	< 0.0010	< 0.05	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.12 J*- J	< 0.05 UJ	< 0.05	< 0.05
	MW27-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
MW-28	MW28-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0095	< 0.0095	< 0.0095
	MW28-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01
	MW28-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097
	MW28-ROX-070725	7/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096
P-54	P54-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	P54-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0095	< 0.0095	< 0.0095
	P54-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	P54-ROX-041125	4/11/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099
	P54-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.095	< 0.033	< 0.0095	< 0.0095
P-56	P56-ROX-101524	10/15/2024	< 0.0050	0.047	0.015	0.12	< 0.025	0.12	0.0012	0.00012 J	< 0.0092	0.00015 J	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0092	< 0.0092	< 0.0092
	P56-ROX-012325	1/23/2025	< 0.0010	0.12	0.038	0.26	0.014	0.28	0.0014 J	0.00010 J	< 0.0099	0.00014 J	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0099	< 0.0099	< 0.0099
	P56-ROX-041625	4/16/2025	< 0.0050	0.038	0.011	0.12	< 0.025	0.12	0.0011 J	0.000077 J J	< 0.0099 UJ	< 0.00020 UJ	< 0.0099 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ
	P56-ROX-071025	7/10/2025	< 0.0020	0.049	0.016	0.11 F1 J	0.0060 JF2	0.11 F1 J	0.0013	0.000086 J	< 0.0099	0.000077 J	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs						SVOCs												
			Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.005 [1]	0.07 [3]	0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]	0.21 [3]	15 [1]	0.7 [3]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
P-57	P57-ROX-101724	10/17/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00056	0.000072 J	< 0.0093	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093	< 0.0093
	P57-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00068 J	0.000089 J	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	P57-ROX-041725	4/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00044	0.000057 J	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	0.0095 J	< 0.0098	< 0.0098 UJ
	P57-ROX-071025	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00018 J	0.000067 J	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.098	< 0.034	< 0.0098	< 0.0098
P-58	P58-ROX-101724	10/17/2024	< 1	< 1	< 1	< 5	< 5	< 10	< 0.00020	0.00026	< 0.0093	0.00010 J	< 0.0093	0.00012 J	0.00014 J	0.000080 J	0.000057 J	< 0.028 UJ	< 0.0093	< 0.0093	< 0.0093
	P58-ROX-012725	1/27/2025	< 2	< 2	< 2	< 10	< 10	< 20	0.0017 J	0.00031 J	< 0.01	0.00014 J	< 0.01	0.00020 J	0.00025 J	0.00015 J	0.00011 J	< 0.03	< 0.01	< 0.01	< 0.01
	P58-ROX-041825	4/18/2025	< 1	< 1	< 1	< 5	< 5	< 10	0.00079	0.00018 J	0.0036 J	< 0.00020	< 0.0099	0.000056 J	0.000051 J	< 0.00020	< 0.00020	0.065 J	< 0.0099 UJ	< 0.0099	< 0.0099
	P58-ROX-071425	7/14/2025	< 1	< 1	< 1	< 5	< 5	< 10	0.00076	0.00020	< 0.01	< 0.00020	< 0.01	0.000044 J	0.000052 J	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
	P58-ROX-071425-DUP	7/14/2025	< 1	< 1	< 1	< 5	< 5	< 10	0.00073	0.00021	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
P-59	P59-ROX-101624	10/16/2024	< 0.0050	0.12	0.021	0.37	< 0.025	0.38	0.00078	< 0.00020	< 0.0093	0.000099 J	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	P59-ROX-012425	1/24/2025	< 0.0010	0.17	0.043	0.19	0.011	0.2	0.00064 J	< 0.01	< 0.01	0.000086 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01
	P59-ROX-012425-DUP	1/24/2025	< 0.0010	0.21	0.05	0.29	0.014	0.31	0.00057 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01
	P59-ROX-041625	4/16/2025	< 0.0050	0.13	0.067	0.34	0.023 J	0.36	0.00051	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01	< 0.01 UJ
	P59-ROX-071125	7/11/2025	< 0.01	0.071	0.018	0.23	< 0.05	0.24	0.00047	< 0.00020	< 0.0099	< 0.00020	0.00087 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099
P-74	P74-ROX-101724	10/17/2024	< 0.01	0.034	0.011	0.19	< 0.05	0.2	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093	< 0.0093
	P74-ROX-101724-DUP	10/17/2024	< 0.01	0.028	0.0083 J	0.17	< 0.05	0.18	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0095	< 0.0095	< 0.0095
	P74-ROX-012425	1/24/2025	< 0.01	0.02	0.0083 J	0.094	< 0.05	0.099 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01
	P74-ROX-041825	4/18/2025	< 0.01	0.0085 J	< 0.01	0.042 J	< 0.05	< 0.1	0.00012 J	0.000095 J	0.0059 J	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.049 J	< 0.01 UJ	< 0.01	< 0.01
	P74-ROX-041825-DUP	4/18/2025	< 0.01	< 0.01	< 0.01	0.035 J	< 0.05	< 0.1	< 0.00020	< 0.00020	0.0059 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.04 J	< 0.0099 UJ	< 0.0099	< 0.0099
	P74-ROX-071125	7/11/2025	< 0.01	0.021	0.0074 J	0.12	< 0.05	0.13	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.00075 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099
P-93A	P93A-ROX-101724	10/17/2024	< 1	< 1	< 1	< 5	< 5	< 10	0.00011 J	< 0.00020	< 0.0092	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0092	< 0.0092	< 0.0092
	P93A-ROX-012725	1/27/2025	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	0.00024 J	< 0.01	< 0.0097	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097
	P93A-ROX-012725-DUP	1/27/2025	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	0.00012 J	0.000055 J	< 0.0095	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095	< 0.0095
	P93A-ROX-041725	4/17/2025	< 0.5	< 0.5	< 0.5	< 2.5	< 2.5	< 5	0.000088 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099 UJ
	P93A-ROX-071125	7/11/2025	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	0.00012 J	< 0.00020	< 0.01	< 0.00020	0.00085 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035 UJ	< 0.01	< 0.01
P-93B	P93B-ROX-101724	10/17/2024	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093	< 0.0093
	P93B-ROX-012725	1/27/2025	< 2	< 2	< 2	< 10	< 10	< 20	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096
	P93B-ROX-041825	4/18/2025	< 5	< 5	< 5	< 25	< 25	< 50	< 0.00020	< 0.00020	0.0019 J	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.052 J	< 0.0098 UJ	< 0.0098	< 0.0098
	P93B-ROX-071425	7/14/2025	< 5 UJ	< 5 UJ	< 5 UJ	< 25 UJ	< 25 UJ	< 50 UJ	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.098	< 0.034	< 0.0098	< 0.0098
P-93C	P93C-ROX-101724	10/17/2024	< 0.02	< 0.02	< 0.02	< 0.1	< 0.1	< 0.2	< 0.00020	< 0.00020	< 0.0092	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0092	< 0.0092	< 0.0092
	P93C-ROX-012725	1/27/2025	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0099	< 0.0099	< 0.0099
	P93C-ROX-041725	4/17/2025	< 0.0020	< 0.0020	< 0.0020	< 0.01	< 0.01	< 0.02	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01	< 0.01 UJ
	P93C-ROX-071025	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099
	P93C-ROX-071025-DUP	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.099	< 0.035	< 0.0099	< 0.0099
P-93D	P93D-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0092	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0092	< 0.0092	< 0.0092
	P93D-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.01	< 0.01	< 0.01
	P93D-ROX-041625	4/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ
	P93D-ROX-071025	7/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.098	< 0.034	< 0.0098	< 0.0098
P-114R	P114R-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00039	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	P114R-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00053 J	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096	< 0.0096
	P114R-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097
	P114R-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	0.00077 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs						SVOCs												
			Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzenethiol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline	4-Chloro-3-methylphenol (p-Chloro-m-cresol)
Screening Values* (mg/L)			0.005 [1]	0.07 [3]	0.07 [3]	10 [1]		10 [1]	0.23 [1]	0.42 [3]	0.015 [3]	1.2 [1]		0.00025 [1]	0.0002 [1]	0.00025 [1]	0.21 [3]	15 [1]	0.7 [3]	0.028 [2]	0.7 [3]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
ROST-3-MW	ROST3MW-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00011 J	< 0.00020	< 0.0093	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	ROST3MW-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00016 J	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01	< 0.01
	ROST3MW-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01	< 0.01
	ROST3MW-ROX-070825	7/8/2025	< 0.0010	< 0.0010	< 0.0010	0.0035 J	< 0.0050	< 0.01	0.00011 J	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
ROST-4-PZ(C)	ROST4PZ(C)-ROX-101624	10/16/2024	< 0.0010	0.0064	0.00094 J	0.024	< 0.0050	0.026	0.0010	0.00013 J	< 0.0093	0.00035	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	ROST4PZ(C)-ROX-101624-DUP	10/16/2024	< 0.0010	0.0059	0.00097 J	0.022	< 0.0050	0.024	0.00093	0.00010 J	< 0.0093	0.00031	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093	< 0.0093
	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.0010	0.0076	0.0025	0.036	< 0.0050	0.038	0.0014 J	0.00017 J	< 0.01	0.00037 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.031	< 0.01	< 0.01	< 0.01
	ROST4PZC-ROX-041625	4/16/2025	< 0.0010	0.013	0.0056	0.059	< 0.0050	0.062	0.00085	0.000090 J	< 0.0099 UJ	0.00018 J	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099 UJ
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.0010	0.013	0.0059	0.06	0.0030 J	0.063	0.00090	0.000098 J	< 0.0097 UJ	0.00017 J	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097	< 0.0097 UJ
	ROST4PZC-ROX-070925	7/9/2025	< 0.0010	0.0045	0.0022	0.028	< 0.0050	0.03	0.00096	0.000095 J	< 0.01	0.00021 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.1	< 0.035	< 0.01	< 0.01
	ROST4PZC-ROX-070925-DUP	7/9/2025	< 0.0010	0.0042	0.0027	0.029	< 0.0050	0.031	0.0010	0.000095 J	< 0.0096	0.00020 J	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096
ROST-4-PZ(E)	ROST4PZE-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	0.00017 J	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	ROST4PZE-ROX-041625	4/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099	< 0.0099 UJ
	ROST4PZE-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035	< 0.0099	< 0.0099
ROST-4-PZ(G)	ROST4PZG-ROX-101624	10/16/2024	< 0.0010	< 0.0010	< 0.0010	0.0081	< 0.0050	0.0093 J	0.00010 J	< 0.00020	< 0.0094	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094	< 0.0094
	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	0.0070	< 0.0050	0.0085 J	0.00011 J	< 0.01	< 0.0097	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097	< 0.0097
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.0010	< 0.0010	< 0.0010	0.0063	< 0.0050	0.0077 J	0.000086 J	< 0.00020	< 0.0097	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097	< 0.0097
	ROST4PZG-ROX-041625	4/16/2025	< 0.0010	< 0.0010	0.00063 J	0.0064	< 0.0050	0.0084 J	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098 UJ	< 0.0098	< 0.0098 UJ
	ROST4PZG-ROX-070925	7/9/2025	< 0.0010	< 0.0010	< 0.0010	0.0044 J	< 0.0050	< 0.01	0.000086 J	< 0.00019	< 0.0096	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.096	< 0.034	< 0.0096	< 0.0096
T-12	T12-ROX-101624	10/16/2024	< 0.01	< 0.01	0.012	0.23	< 0.05	0.25	0.00047	0.000050 J	< 0.0092	0.000073 J	< 0.0092	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0092	< 0.0092	< 0.0092
	T12-ROX-012425	1/24/2025	< 0.0050	0.037	0.039	0.71	0.1	0.82	0.00036 J	< 0.0099	< 0.01	0.000076 J	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.03	< 0.01	< 0.01	< 0.01
	T12-ROX-0414625	4/16/2025	< 0.01	0.029	0.042	0.63	0.086	0.72	0.00031 J	< 0.00040	< 0.02 UJ	< 0.00040	< 0.02	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.06	< 0.02 UJ	< 0.02	< 0.02 UJ
	T12-ROX-071125	7/11/2025	< 0.01	0.01	0.022	0.34	0.031 J	0.37	0.00045	< 0.00020	< 0.0099	0.000079 J	0.00066 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.099	< 0.035 UJ	< 0.0099	< 0.0099

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	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	4-Nitrophenol	Phenanthrene	Phenol	Pyrene
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	11,600 [3]	0.21 [3]	0.1 [1]	0.12 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-01	MW1-ROX-100724	10/7/2024	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00020	< 0.0095	< 0.00020
	MW1-ROX-100724-DUP	10/7/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	MW1-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	< 0.0096	< 0.00020
	MW1-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW1-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	0.00019 J	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099 UJ	< 0.00020
	MW1-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-02	MW2-ROX-100924	10/9/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	0.0056	0.0057	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	MW2-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.01	< 0.01	< 0.0094	< 0.01	0.0085 J	0.014	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.01	< 0.0094	< 0.01
	MW2-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	0.00011 J	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	0.0042	0.0066	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020
	MW2-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.0048	0.0039	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-03	MW3-ROX-101024	10/10/2024	< 0.00019	< 0.00019	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00019	< 0.01	< 0.00019
	MW3-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097	< 0.00020
	MW3-ROX-040925	4/9/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	0.00017 J	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020
	MW3-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0097	< 0.00019
MW-04	MW4-ROX-101824	10/18/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.0093	< 0.019	< 0.0093	0.0036 J	< 0.00020	< 0.0093	< 0.00020
	MW4-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.01
	MW4-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00011 JB U	0.00011 JB U	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW4-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	0.11	< 0.00020
MW-05	MW5-ROX-101124	10/11/2024	< 0.00019	< 0.00019	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00019	< 0.00019	< 0.0098	< 0.00019	< 0.00019	< 0.00019	< 0.0098	< 0.02	< 0.0098	< 0.0098	< 0.00019	< 0.0098	< 0.00019
	MW5-ROX-101124-DUP	10/11/2024	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0097	< 0.00019
	MW5-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	< 0.0096	< 0.00020
	MW5-ROX-040925	4/9/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.02	< 0.0098	< 0.0098 UJ	< 0.00020	< 0.0098	< 0.00020
	MW5-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-06A	MW6A-ROX-100924	10/9/2024	0.000055 J	< 0.00020	< 0.0098	< 0.0098	< 0.0098	0.000041 J	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.0098	0.000046 J	0.0064 J	0.000062 J
	MW6A-ROX-012225	1/22/2025	< 0.00020	< 0.00020	< 0.011	< 0.011	< 0.011	< 0.011	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.00020	< 0.00020	< 0.011	< 0.021	< 0.011	< 0.011	< 0.00020	< 0.011	< 0.00020
	MW6A-ROX-041025	4/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	0.00011 J
	MW6A-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-06B	MW6B-ROX-100824	10/8/2024	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020 U	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00020	< 0.0095	< 0.00020
	MW6B-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.011	< 0.021	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01
	MW6B-ROX-041025	4/10/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW6B-ROX-041025-DUP	4/10/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	MW6B-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0097	< 0.00019
MW-06C	MW6C-ROX-100824	10/8/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020 U	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	MW6C-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	0.000050 J	< 0.0096	< 0.00020
	MW6C-ROX-041025	4/10/2025	0.00019 J	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020 U	< 0.00020	< 0.01	0.000038 J	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	0.00020	< 0.01	0.00024
	MW6C-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0093	< 0.00019
MW-06D	MW6D-ROX-100824	10/8/2024	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097 UJ	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097 UJ	< 0.00020
	MW6D-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.01
	MW6D-ROX-040925	4/9/2025	0.00022	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	0.00017 J	0.00018 J	< 0.00020	< 0.01	0.000081 J	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.01 UJ	0.00020	< 0.01	0.00024
	MW6D-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0097	< 0.00019

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	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	4-Nitrophenol	Phenanthrene	Phenol	Pyrene
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	11,600 [3]	0.21 [3]	0.1 [1]	0.12 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-07	MW7-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	0.00039 J	< 0.0097	< 0.01	0.0059 J	0.0076 J	< 0.0097	< 0.019	< 0.0097	< 0.0097	0.0014 J	0.032	0.00017 J
	MW7-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	0.00032	< 0.0098	< 0.00020	0.0041 B	0.0041 B	< 0.0098	0.014 JI	0.0010 J	< 0.0098	0.00086	0.18	< 0.00020
MW-09	MW9-ROX-100424	10/4/2024	< 0.00019	< 0.00019	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00019	< 0.01	< 0.00019
	MW9-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW9-ROX-040425	4/4/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	MW9-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-10	MW10-ROX-100724	10/7/2024	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	< 0.0096	< 0.00020
	MW10-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097	< 0.00020
	MW10-ROX-040725	4/7/2025	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.01	< 0.02 UJ	< 0.01	< 0.01 UJ	< 0.00020	< 0.01	< 0.00020
	MW10-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-11	MW11-ROX-100424	10/4/2024	< 0.00019	< 0.00019	< 0.01	< 0.01	< 0.01	< 0.01 UJ	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019 UJ	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00019	< 0.01	< 0.00019
	MW11-ROX-012225	1/22/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW11-ROX-040725	4/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	MW11-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-12	MW12-ROX-101124	10/11/2024	< 0.00019	< 0.00019	< 0.0094	< 0.0094	< 0.0094	< 0.0094 UJ	< 0.00019	< 0.00019	< 0.0094	< 0.00019	< 0.00019	< 0.00019 UJ	< 0.0094 UJ	< 0.019 UJ	< 0.0094	< 0.0094	< 0.00019	< 0.0094 UJ	< 0.00019
	MW12-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00020	< 0.0095	< 0.00020
	MW12-ROX-021325	2/13/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW12-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.01 UJ	< 0.00020	< 0.01 UJ	< 0.00020
	MW12-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-13	MW13-ROX-101024	10/10/2024	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	< 0.0096	< 0.00020
	MW13-ROX-012325	1/23/2025	< 0.0099	< 0.0099	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.0099	< 0.0099	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.0099	< 0.0096	< 0.0099
	MW13-ROX-012325-DUP	1/23/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.01	< 0.0096	< 0.01
	MW13-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	0.000098 J	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01 UJ	< 0.00020
	MW13-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0096	< 0.00019
MW-14	MW14-ROX-100924	10/9/2024	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00020	< 0.0095	< 0.00020
	MW14-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	0.000070 J	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.01
	MW14-ROX-041525	4/15/2025	< 0.00019	< 0.00019	< 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	< 0.0096	< 0.0096	< 0.00019	< 0.0096	< 0.00019
	MW14-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	MW14-ROX-071025-DUP	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-16	MW16-ROX-100424	10/4/2024	< 0.00019	< 0.00019	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00019	< 0.01	< 0.00019
	MW16-ROX-011625	1/16/2025	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	< 0.0096	< 0.00020
	MW16-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW16-ROX-040825	4/8/2025	< 0.00019	< 0.00019	< 0.0093	< 0.0093 UJ	< 0.0093	< 0.0093	< 0.00019	< 0.00019	< 0.0093 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.0093	< 0.019	< 0.0093	< 0.0093	< 0.00019	< 0.0093	< 0.00019
	MW16-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.0098	< 0.00020	< 0.0098	< 0.00020
MW-22	MW22-ROX-101624	10/16/2024	< 0.00020	< 0.00020	< 0.0094	0.0071 J*+ J	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	0.018	0.026	< 0.0094	< 0.019	< 0.0094	< 0.0094	0.000087 J	< 0.0094	< 0.00020
	MW22-ROX-012425	1/24/2025	< 0.0099	< 0.0099	< 0.0093	0.0059 J	< 0.0093	< 0.0093	< 0.0099	< 0.0099	< 0.0093	< 0.0099	0.023	0.038	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.000048 J	< 0.0093	< 0.0099
	MW22-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.0050 J	< 0.00020	0.019	0.034	< 0.0098 UJ	< 0.02	0.0048 J	< 0.0098 UJ	0.000048 J	< 0.0098 UJ	< 0.00020
	MW22-ROX-041725-DUP	4/17/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.0046 J	< 0.00020	0.015	0.027	< 0.0099 UJ	< 0.02	0.0042 J	< 0.0099 UJ	0.000044 J	< 0.0099 UJ	< 0.00020
	MW22-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0035 J	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.0036 J	< 0.00020	0.018	0.026	0.00080 J*+ J	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020

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			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	4-Nitrophenol	Phenanthrene	Phenol	Pyrene
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	11,600 [3]	0.21 [3]	0.1 [1]	0.12 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-23	MW23-ROX-101124	10/11/2024	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097	< 0.00020
	MW23-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.01
	MW23-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	MW23-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
MW-24	MW24-ROX-101424	10/14/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	MW24-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097	< 0.00020
	MW24-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MW24-ROX-041425	4/14/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02 UJ	< 0.0099	< 0.0099 UJ	< 0.00020	< 0.0099 UJ	< 0.00020
	MW24-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.000074 J	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-25	MW25-ROX-101824	10/18/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.0093	< 0.019	< 0.0093	< 0.0093	< 0.00020	< 0.0093	< 0.00020
	MW25-ROX-101824-DUP	10/18/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.0093	< 0.019	< 0.0093	< 0.0093	< 0.00020	< 0.0093	< 0.00020
	MW25-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0095	0.011	< 0.0095	< 0.0095	0.00027 J	0.00017 J	< 0.0095	< 0.01	0.0075 J	0.0079 J	< 0.0095	0.041	< 0.0095	< 0.0095	0.00047 J	0.31	0.00016 J
	MW25-ROX-012725-DUP	1/27/2025	< 0.01	< 0.01	< 0.0093	0.0097	< 0.0093	< 0.0093	< 0.01	0.00011 J	< 0.0093	< 0.01	0.0086 J	0.0092 J	< 0.0093	0.042	< 0.0093	< 0.0093	< 0.01	0.34	< 0.01
	MW25-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.00092 J	< 0.00020	0.0013 B	0.0014 B	< 0.0098	0.0085 JI	< 0.0098	< 0.0098	< 0.00020	0.73	< 0.00020
	MW25-ROX-041825-DUP	4/18/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	0.000090 J	< 0.0097	< 0.00019	0.0013 B	0.0014 B	< 0.0097	0.0095 JI	0.00081 J	< 0.0097	< 0.00019	0.67	< 0.00019
	MW25-ROX-071525	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0089 J	< 0.0099	< 0.0099	< 0.00020	0.00019 J	0.0016 J	< 0.00020	0.0087	0.0081	0.0037 J*+ J	0.12	< 0.0099	< 0.0099	< 0.00020	0.25	< 0.00020
	MW25-ROX-071525-DUP	7/15/2025	< 0.00020	< 0.00020	< 0.0099	0.0092 J	< 0.0099	< 0.0099	< 0.00020	0.00016 J	0.0015 J	< 0.00020	0.0078	0.0072	0.0038 J*+ J	0.12	< 0.0099	< 0.0099	< 0.00020	0.26	< 0.00020
MW-26	MW26-ROX-100724	10/7/2024	< 0.00020	< 0.00020	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00020	0.067	< 0.00020
	MW26-ROX-012825	1/28/2025	< 0.01	< 0.01	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.01	< 0.0094	< 0.01
	MW26-ROX-040825	4/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02 UJ	< 0.01	< 0.01 UJ	< 0.00020	< 0.01 UJ	< 0.00020
	MW26-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-27	MW27-ROX-101424	10/14/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	MW27-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.021	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW27-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.05	< 0.05	< 0.05	< 0.05	< 0.0010	< 0.0010	< 0.05	0.00016 J	< 0.0010	< 0.0010	< 0.05 UJ	< 0.1	< 0.05	< 0.05 UJ	< 0.0010	< 0.05	< 0.0010
	MW27-ROX-070725	7/7/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
MW-28	MW28-ROX-101524	10/15/2024	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0095	< 0.00019
	MW28-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	MW28-ROX-041525	4/15/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097	< 0.00019
	MW28-ROX-070725	7/7/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0096	< 0.00019
P-54	P54-ROX-101424	10/14/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00020	< 0.0094	< 0.00020
	P54-ROX-011725	1/17/2025	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00020	< 0.0095	< 0.00020
	P54-ROX-021425	2/14/2025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	P54-ROX-041125	4/11/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	0.000040 J	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099 UJ	< 0.00020	< 0.0099	< 0.00020
	P54-ROX-070825	7/8/2025	< 0.00019	< 0.00019	< 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	< 0.00019	< 0.0095	< 0.00019
P-56	P56-ROX-101524	10/15/2024	< 0.00020	< 0.00020	< 0.0092	0.0060 J*+ J	< 0.0092	< 0.0092	< 0.00020	0.00062	< 0.0092	< 0.00020	0.017	0.017	< 0.0092	< 0.018	< 0.0092	< 0.0092	0.0012	< 0.0092	< 0.00020
	P56-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	0.00071 J	< 0.0099	< 0.01	0.023	0.028	< 0.0099	< 0.02	< 0.0099	< 0.0099	0.0014 J	< 0.0099	< 0.01
	P56-ROX-041625	4/16/2025	< 0.00020 UJ	< 0.00020 UJ	0.00068 J J	< 0.0099 UJ	< 0.0099 UJ	< 0.0099 UJ	< 0.00020 UJ	0.00061 J	< 0.0099 UJ	< 0.00020 UJ	0.01 J	0.011 J	< 0.0099 UJ	< 0.02 UJ	< 0.0099 UJ	< 0.0099 UJ	0.00062 J	< 0.0099 UJ	< 0.00020 UJ
	P56-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	0.00075 J	0.00024 J	< 0.0099	< 0.0099	< 0.00020	0.00060	< 0.0099	< 0.00020 UJ	0.016	0.016	< 0.0099	< 0.02	< 0.0099	< 0.0099	0.0011	< 0.0099	< 0.00020

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	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	4-Nitrophenol	Phenanthrene	Phenol	Pyrene
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	11,600 [3]	0.21 [3]	0.1 [1]	0.12 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-57	P57-ROX-101724	10/17/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	0.00072	< 0.0093	< 0.00020	0.019	0.013	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.00029	< 0.0093	< 0.00020
	P57-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	0.00082 J	< 0.0095	< 0.01	0.028	0.03	< 0.0095	< 0.019	< 0.0095	< 0.0095	0.00049 J	< 0.0095	< 0.01
	P57-ROX-041725	4/17/2025	< 0.00020	< 0.00020	0.00057 J	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	0.00055	0.00073 J	< 0.00020	0.017	0.017	< 0.0098 UJ	< 0.02	0.0032 J	< 0.0098 UJ	0.00033	< 0.0098 UJ	< 0.00020
	P57-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	0.00065 J	< 0.0098	< 0.0098	< 0.0098	< 0.00020	0.00067	< 0.0098	< 0.00020 UJ	0.013	0.014	< 0.0098	< 0.02	< 0.0098	< 0.0098	0.00034	0.00078 J*+ J	< 0.00020
P-58	P58-ROX-101724	10/17/2024	0.00022	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	0.000079 J	0.0018	< 0.0093	< 0.00020	0.062	0.036	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.0012	0.25	0.00031
	P58-ROX-012725	1/27/2025	0.00039 J	0.000059 J	< 0.01	0.016	< 0.01	< 0.01	0.00011 J	0.0025 J	< 0.01	0.000039 J	0.09	0.056	< 0.01	0.029	< 0.01	< 0.01	0.0016 J	0.21	0.00050 J
	P58-ROX-041825	4/18/2025	0.000086 J	< 0.00020	0.0015 J	< 0.0099	0.00094 J	< 0.0099	0.000049 J	0.0012	< 0.0099	< 0.00020	0.039 B	0.034 B	< 0.0099	0.039	0.0057 J	< 0.0099	0.00063	0.44	0.00014 J
	P58-ROX-071425	7/14/2025	0.00010 J	< 0.00020	0.0020 J	0.0056 J	< 0.01	< 0.01	< 0.00020	0.0015	0.0012 J	< 0.00020	0.054	0.05	0.0013 J*+ J	0.11	0.0024 J	< 0.01	0.00085	0.49	0.00012 J
	P58-ROX-071425-DUP	7/14/2025	0.000094 J	< 0.00020	0.0020 J	0.0053 J	< 0.01	< 0.01	< 0.00020	0.0014	0.0013 J	< 0.00020	0.055	0.05	0.0011 J*+ J	0.13	0.0024 J	< 0.01	0.00080	0.5	0.000099 J
P-59	P59-ROX-101624	10/16/2024	0.000059 J	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	0.00011 J	0.00039	< 0.0093	< 0.00020	0.016	0.017	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.00040	0.02	0.00025
	P59-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000086 J	0.00030 J	< 0.01	< 0.01	0.018	0.025	< 0.01	< 0.021	< 0.01	< 0.01	0.00055 J	0.0050 J	0.00020 J
	P59-ROX-012425-DUP	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000071 J	0.00026 J	< 0.01	< 0.01	0.017	0.025	< 0.01	< 0.021	< 0.01	< 0.01	0.00050 J	0.0043 J	0.00015 J
	P59-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	0.00014 J	< 0.00020	0.00027	0.0010 J*- J	< 0.00020	0.013	0.0082	< 0.01 UJ	< 0.02	< 0.01	< 0.01 UJ	0.00013 J	0.0031 J	< 0.00020
	P59-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0037 J	< 0.0099	< 0.0099	< 0.00020	0.00024	0.0013 J	< 0.00020	0.016	0.025	0.0020 J*+ J	< 0.02	< 0.0099	< 0.0099	0.00025	0.01 *+ J	< 0.00020
P-74	P74-ROX-101724	10/17/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	< 0.00020	< 0.0093	< 0.00020	0.0010	0.0011	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.000070 J	0.016	< 0.00020
	P74-ROX-101724-DUP	10/17/2024	< 0.00020	< 0.00020	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.00020	0.000088 J	< 0.0095	< 0.00020	0.00099	0.0011	< 0.0095	< 0.019	< 0.0095	< 0.0095	0.000070 J	0.011	< 0.00020
	P74-ROX-012425	1/24/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.00066 J	0.00061 J	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	0.055	< 0.01
	P74-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00070 B	0.00059 B U	0.0015 J	< 0.02	< 0.01	< 0.01	< 0.00020	0.69	< 0.00020
	P74-ROX-041825-DUP	4/18/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.00057 B U	0.00043 B U	0.0015 J	< 0.02	< 0.0099	< 0.0099	< 0.00020	0.64	< 0.00020
	P74-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0084 J	< 0.0099	< 0.0099	< 0.00020	< 0.00020	0.00080 J	< 0.00020	0.0016	0.0020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	0.07 J*+ J	< 0.00020
P-93A	P93A-ROX-101724	10/17/2024	< 0.00020	< 0.00020	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.00020	0.00015 J	< 0.0092	< 0.00020	0.0050	0.00054	< 0.0092	< 0.018	< 0.0092	< 0.0092	0.000069 J	0.13	< 0.00020
	P93A-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	0.00017 J	< 0.0097	< 0.01	0.0056 J	0.00053 J	< 0.0097	< 0.019	< 0.0097	< 0.0097	0.000049 J	0.2	< 0.01
	P93A-ROX-012725-DUP	1/27/2025	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	0.00018 J	< 0.0095	< 0.01	0.0065 J	0.00064 J	< 0.0095	< 0.019	< 0.0095	< 0.0095	0.000062 J	0.19	< 0.01
	P93A-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	0.00011 J	< 0.0099	< 0.00020	0.0037	0.00036	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099 UJ	0.000049 J	0.037	< 0.00020
	P93A-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00015 J	< 0.01	< 0.00020	0.0036	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	0.32 *+ J	< 0.00020
P-93B	P93B-ROX-101724	10/17/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	< 0.00020	< 0.0093	< 0.00020	0.00024	0.00022	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.000080 J	0.055	< 0.00020
	P93B-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	0.00021 J	0.00016 J	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.01	0.12	< 0.01
	P93B-ROX-041825	4/18/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.00022 B U	0.00019 JB U	< 0.0098	< 0.02	0.00081 J	< 0.0098	< 0.00020	0.25	< 0.00020
	P93B-ROX-071425	7/14/2025	< 0.00020	< 0.00020	< 0.0098	0.0032 J	< 0.0098	< 0.0098	< 0.00020	< 0.00020	0.00060 J	< 0.00020	0.00030	0.00019 J	< 0.0098	< 0.02	< 0.0098	< 0.0098	< 0.00020	0.26	< 0.00020
P-93C	P93C-ROX-101724	10/17/2024	< 0.00020	< 0.00020	< 0.0092	< 0.0092	< 0.0092	< 0.0092	0.000059 J	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.0092	< 0.018	< 0.0092	< 0.0092	0.000093 J	0.011	0.000041 J
	P93C-ROX-012725	1/27/2025	< 0.01	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.01	0.027	< 0.01
	P93C-ROX-041725	4/17/2025	< 0.00020	< 0.00020	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.01 UJ	< 0.02	< 0.01	< 0.01 UJ	< 0.00020	< 0.01 UJ	< 0.00020
	P93C-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	0.029 *+ J	< 0.00020
	P93C-ROX-071025-DUP	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020 UJ	< 0.00020	< 0.00020	0.0012 J*+ J	< 0.02	< 0.0099	< 0.0099	< 0.00020	0.031 *+ J	< 0.00020
P-93D	P93D-ROX-101524	10/15/2024	< 0.00020	< 0.00020	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.00020	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.0092	< 0.018	< 0.0092	< 0.0092	< 0.00020	< 0.0092	< 0.00020
	P93D-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	P93D-ROX-041625	4/16/2025	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	0.00023 J J	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ
	P93D-ROX-071025	7/10/2025	< 0.00020	< 0.00020 UJ	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020 UJ	< 0.00020	< 0.00020	< 0.0098	< 0.02	< 0.0098	< 0.0098	< 0.00020	< 0.0098	< 0.00020
P-114R	P114R-ROX-101024	10/10/2024	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	0.000094 J	< 0.00020	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00020	< 0.0097	< 0.00020
	P114R-ROX-012325	1/23/2025	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0096	< 0.01	0.00011 J	< 0.01	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.01	< 0.0096	< 0.01
	P114R-ROX-041425	4/14/2025	< 0.00019	< 0.00019	< 0.0097	< 0.0097 UJ	< 0.0097	0.00021 J	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097 UJ	< 0.00019
	P114R-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			SVOCs																	
			Chrysene (1,2-Benzphenanthracene)	Dibenz(a,h)anthracene	Dibenzofuran	2,4-Dimethylphenol	2,4-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3&4-Methylphenol	Nitrobenzene	4-Nitrophenol	Phenanthrene	Phenol	Pyrene
Screening Values* (mg/L)			0.025 [1]	0.0001 [1]	0.007 [3]	0.14 [2]	0.001 [1]	0.00078 [1]	0.15 [1]	0.15 [1]		0.00025 [1]	0.27 [1]	0.015 [1]	0.19 [1]	0.14 [3]	0.0077 [1]	11,600 [3]	0.21 [3]	0.1 [1]	0.12 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
ROST-3-MW	ROST3MW-ROX-101524	10/15/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	0.00012 J	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.0093	< 0.019	< 0.0093	< 0.0093	< 0.00020	< 0.0093	< 0.00020
	ROST3MW-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00016 J	< 0.01	< 0.00020	0.000078 J	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	ROST3MW-ROX-041525	4/15/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.00019 J	0.00016 J	< 0.01 UJ	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	ROST3MW-ROX-070825	7/8/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	0.000099 J	< 0.0099	< 0.00020	0.0013	0.00045	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
ROST-4-PZ(C)	ROST4PZ(C)-ROX-101624	10/16/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	0.000034 J	0.00080	< 0.0093	< 0.00020	0.018	0.0020	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.00071	< 0.0093	0.000065 J
	ROST4PZ(C)-ROX-101624-DUP	10/16/2024	< 0.00020	< 0.00020	< 0.0093	< 0.0093	< 0.0093	< 0.0093	< 0.00020	0.00087	< 0.0093	< 0.00020	0.015	0.0016	< 0.0093	< 0.019	< 0.0093	< 0.0093	0.00062	< 0.0093	0.000066 J
	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.000033 J	0.0012 J	< 0.01	< 0.01	0.032	0.0076 J	< 0.01	< 0.021	< 0.01	< 0.01	0.0010 J	< 0.01	0.000069 J
	ROST4PZC-ROX-041625	4/16/2025	< 0.00020	< 0.00020	0.00058 J	< 0.0099	< 0.0099	< 0.0099	< 0.00020	0.00067	< 0.0099 UJ	< 0.00020	0.021	0.0086	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099 UJ	0.00079	< 0.0099	< 0.00020
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.00019	< 0.00019	0.00061 J	< 0.0097	< 0.0097	< 0.0097	< 0.00019	0.00076	< 0.0097 UJ	< 0.00019	0.022	0.0085	< 0.0097 UJ	< 0.019	< 0.0097	< 0.0097 UJ	0.00081	< 0.0097	< 0.00019
	ROST4PZC-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00020	0.00061	< 0.01	< 0.00020	0.024	0.011	< 0.01	< 0.02	< 0.01	< 0.01	0.00086	< 0.01	< 0.00020
	ROST4PZC-ROX-070925-DUP	7/9/2025	< 0.00019	< 0.00019	0.00064 J*+ J	< 0.0096	< 0.0096	< 0.0096	< 0.00019	0.00062	< 0.0096	< 0.00019	0.026	0.013	< 0.0096	< 0.019	< 0.0096	< 0.0096	0.00090	< 0.0096	< 0.00019
ROST-4-PZ(E)	ROST4PZE-ROX-101524	10/15/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.000040 J	< 0.00020	< 0.0094	< 0.00020	0.00017 J	< 0.00020	< 0.0094	< 0.019	< 0.0094	< 0.0094	0.00026	< 0.0094	0.00011 J
	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.000032 J	< 0.00020	< 0.0094	< 0.00020	0.000080 J	0.000093 J	< 0.0094	< 0.019	< 0.0094	< 0.0094	0.000099 J	< 0.0094	0.000094 J
	ROST4PZE-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.02	< 0.0099	< 0.0099 UJ	0.000064 J	< 0.0099	< 0.00020
	ROST4PZE-ROX-070925	7/9/2025	< 0.00020	< 0.00020	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
ROST-4-PZ(G)	ROST4PZG-ROX-101624	10/16/2024	< 0.00020	< 0.00020	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00020	< 0.00020	< 0.0094	< 0.00020	0.0015	0.00024	< 0.0094	< 0.019	< 0.0094	< 0.0094	0.00019 J	< 0.0094	< 0.00020
	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.01	< 0.01	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.01	< 0.01	< 0.0097	< 0.01	0.0027 J	0.0010 J	< 0.0097	< 0.019	< 0.0097	< 0.0097	0.000066 J	< 0.0097	< 0.01
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.00020	< 0.00020	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00020	< 0.00020	< 0.0097	< 0.00020	0.0023	0.00082 *1	< 0.0097	< 0.019	< 0.0097	< 0.0097	0.000063 J	< 0.0097	< 0.00020
	ROST4PZG-ROX-041625	4/16/2025	< 0.00020	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	0.0016	0.00040	< 0.0098 UJ	< 0.02	< 0.0098	< 0.0098 UJ	0.000054 J	0.00030 J	< 0.00020
	ROST4PZG-ROX-070925	7/9/2025	< 0.00019	< 0.00019	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	0.0037	0.0013	< 0.0096	0.01 J	< 0.0096	< 0.0096	< 0.00019	0.00091 J	< 0.00019
T-12	T12-ROX-101624	10/16/2024	< 0.00019	< 0.00019	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.00019	0.00028	< 0.0092	< 0.00019	0.021	0.032	< 0.0092	< 0.018	< 0.0092	< 0.0092	0.00062	0.0050 J	< 0.00019
	T12-ROX-012425	1/24/2025	< 0.0099	< 0.0099	< 0.01	0.0062 J	< 0.01	< 0.01	< 0.0099	0.00029 J	< 0.01	< 0.0099	0.023	0.039	< 0.01	< 0.02	< 0.01	< 0.01	0.00057 J	0.025	< 0.0099
	T12-ROX-0414625	4/16/2025	< 0.00040	< 0.00040	< 0.02	0.011 J*1*-	< 0.02	< 0.02	< 0.00040	0.00025 J	0.0011 J*- J	< 0.00040	0.015	0.024	< 0.02 UJ	< 0.04	< 0.02	< 0.02 UJ	0.00040	0.08	< 0.00040
	T12-ROX-071125	7/11/2025	< 0.00020	< 0.00020	< 0.0099	0.0048 J	< 0.0099	< 0.0099	< 0.00020	0.00032	0.0010 J	< 0.00020	0.025	0.041	0.0027 J*+ J	< 0.02	< 0.0099	< 0.0099	0.00057	0.044 *+ J	< 0.00020

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 critieria source from IL EPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables).

	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.

* Groundwater quality standards provided in 35 I.A.C. 620, Subpart D were updated effective March 28, 2025. Analytical results collected before this date are compared against prior screening values applicable at time of sampling. Analytical results collected beginning in 2Q2025 are compared against the updated GQS effective March 28, 2025.

Groundwater monitoring wells designated for sampling in the Interim Groundwater Monitoring Program, P-55R, P-66, and P-68, contained LNAPL; therefore, these wells were not sampled.

Well MW-7 was not sampled during the 4Q2024 or 3Q2025 quarterly sampling events due to operation of the FPWY SEE System.

Analytes that were non-detect across all sampling locations during the four quarter reporting period are not presented on the Analytical table.

LABORATORY QUALIFIERS

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

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

H = Analyzed or extracted out of holding time criteria.

I = Value is estimated maximum possible concentration.

F1 = Indicates MS/MSD is outside acceptance limit.

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

*- = Indicates LCS and/or LCSD is outside acceptance limit, low biased

*1 = LCS/LCSD RPD is outside contol limit.

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

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

Figures

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

MVS Descriptions and Assumptions:

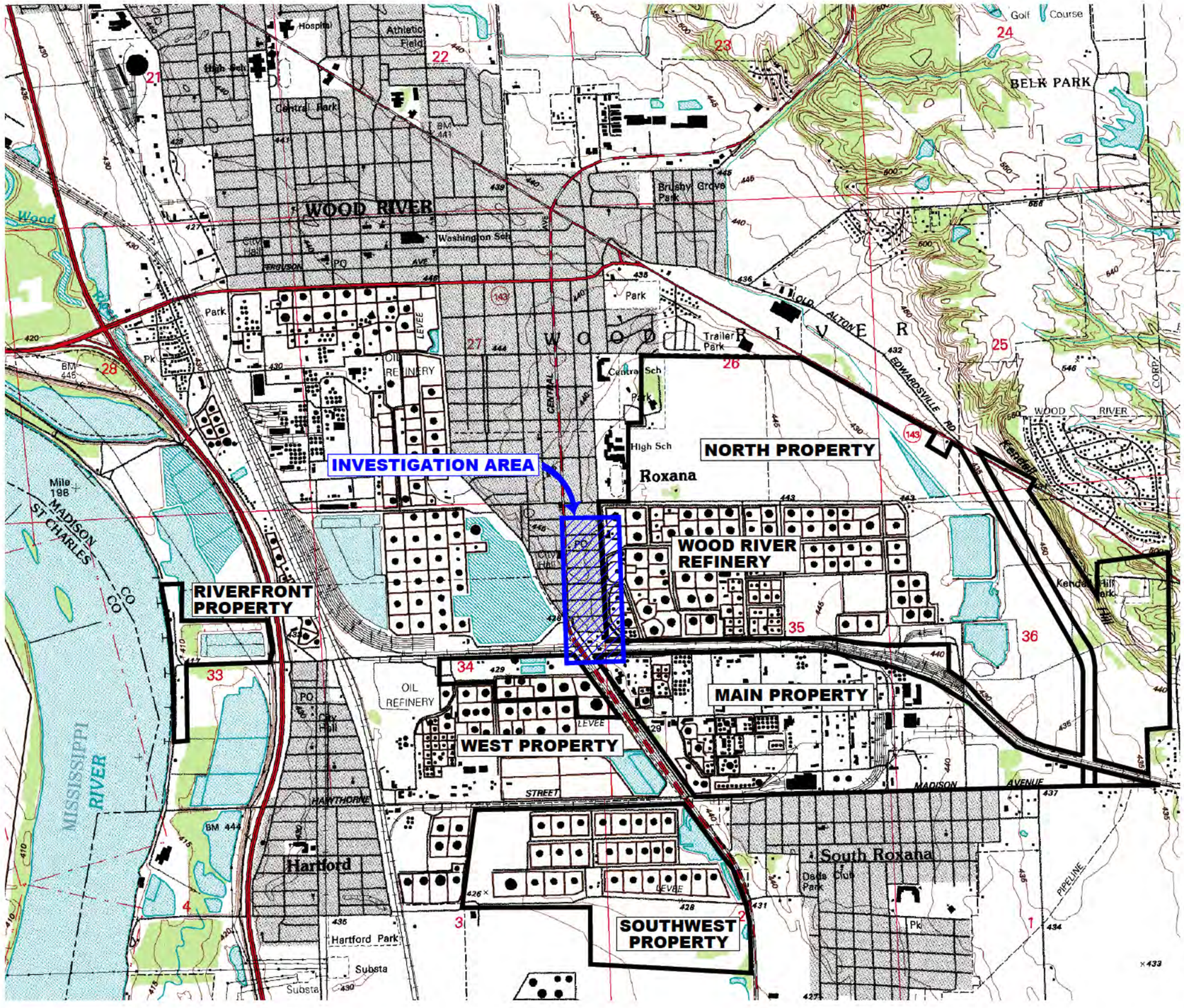
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

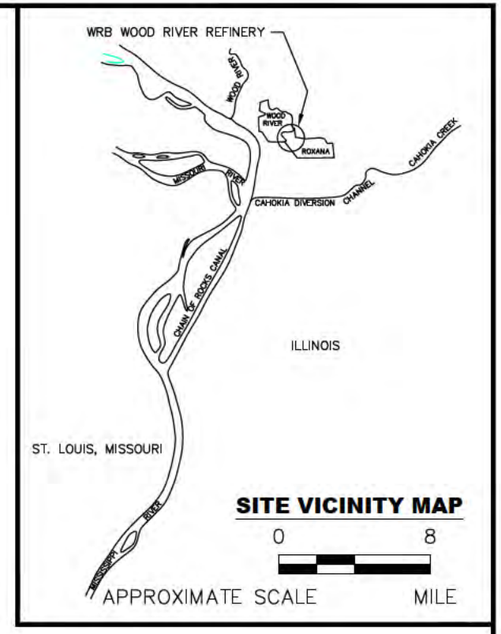
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

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

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

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





LEGEND

WOOD RIVER REFINERY PROPERTY BOUNDARY

INVESTIGATION AREA

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

0 2000

APPROXIMATE SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60738191
AECOM	
DRN. BY: gds October 2025 DSGN. BY: mar CHKD. BY: wmp	Investigation Area Location Map
	FIG. NO. 1

File: C:\USERS\ALEXMARION\DUMP\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\60708868 900 S CENTRAL AVE ROXANA\ROXANA 3025 GW RPT\DWG\FIGURE 1 INVESTIGATION AREA LOCATION MAP.DWG Last edited: 08/29/25 ● 3:05 PM ● WCC-ST.LOUIS

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: Aug. 29, 25 @ 3:05 PM by: alexandruionut.dumit

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
VILLAGE OF ROXANA
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
2ND STREET
1ST STREET
RAND AVENUE
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
BP
1986 APPROXIMATE BENZENE RELEASE SITE
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE

PZ-1(101)
PZ-1(85)
MW-10*
MW-9*
MW-28*
MW-27*
P-55R*
ROST-4-PZ(A)
ROST-4-PZ(B)
ROST-4-PZ(C)*
ROST-4-PZ
P-60-11
ROST-3-MW*
ROST-4-PZ(D)
ROST-4-PZ(E)*
P-60-12
ROST-4-PZ(F)
P-60
ROST-4-PZ(G)*
P-68*
P-60-13
MW-11*
P-54*
MW-17
T-12*
MW-24*
MW-22*
P-69
MW-18
P-74*
MW-19
P-61
P-59*
GP-9-PZ
PZ-2(84)
PZ-2(70.5)
MW-12*
MW-16*
MW-20
P-56*
MW-2*
MW-1*
MW-26*
MW-21
T-6
P-57*
MW-4*
MW-3*
P-93A*
P-93B*
P-93C*
P-93D*
MW-25*
MW-5*
MW-7*
MW-23*
MW-8
P-58*
P-66*
P-75
MW-13*
MW-6A*
MW-6B*
MW-6C*
MW-6D*
MW-14*
P-114R*
T-24
P-70
P-73
A-34
A-33
A-28
A-27
A-22
F-76
F-77
F-78
F-73
F-74
F-75

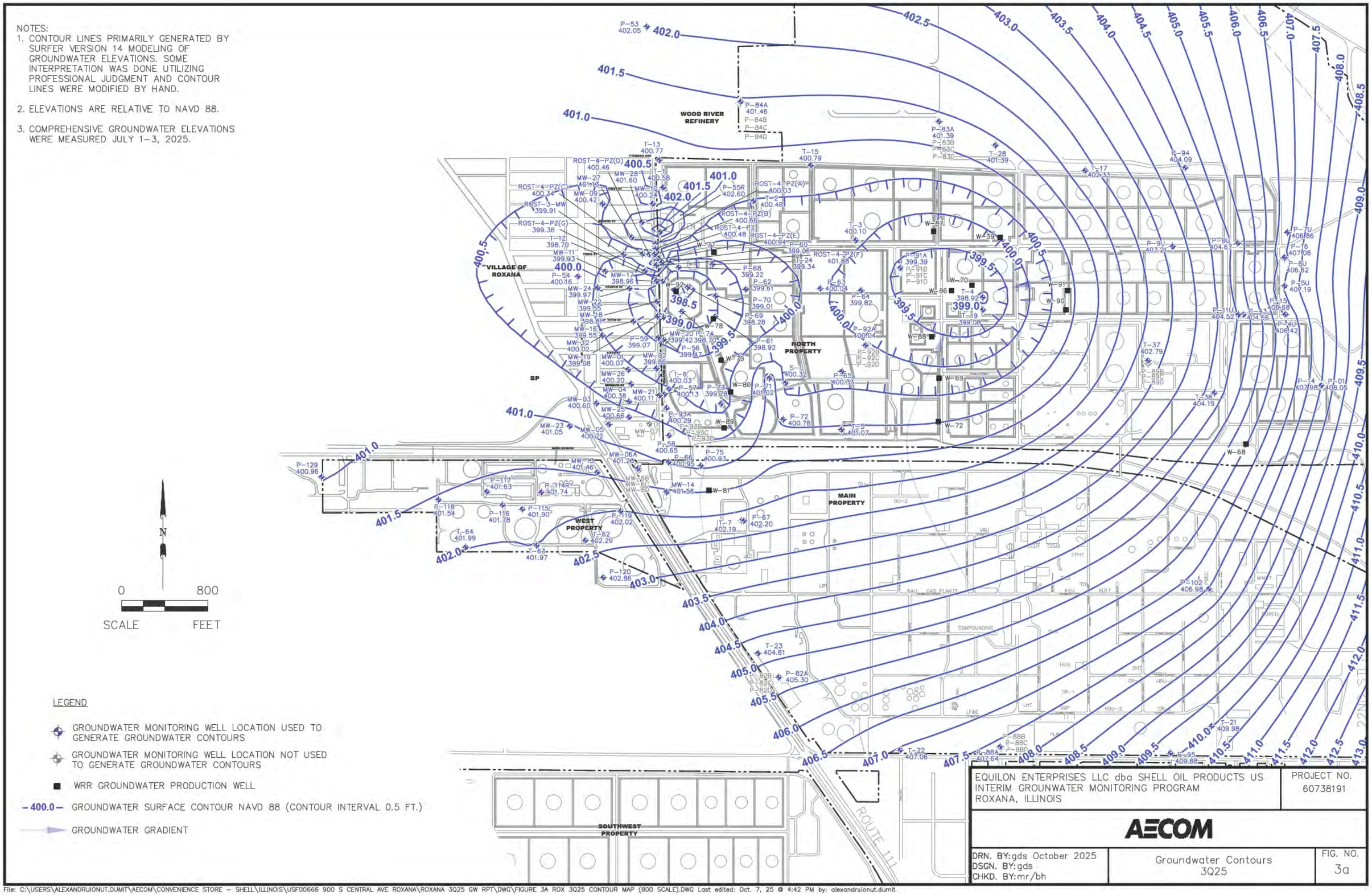
0 200
SCALE FEET
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY:gds October 2025 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 JULY 1–3, 2025.



LEGEND

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

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

PROJECT NO. 60738191

AECOM

DRN. BY:gds October 2025
DSGN. BY:gds
CHKD. BY:mr/bh

Groundwater Contours 3Q25

FIG. NO. 3a

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 3A ROX 3Q25 CONTOUR MAP (800 SCALE).DWG Last edited: Oct. 7, 25 @ 4:42 PM by: alexandruionut.dumit

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USFD0666 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 3B ROX 3Q25 CONTOUR MAP (WF).DWG Last edited: Oct. 07, 25 @ 4:44 PM by: alexandruionut.dumit

LEGEND

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

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 JULY 1–3, 2025.

401.0 400.5 400.0 399.5 399.0 398.5 401.5 402.0 402.5 403.0

TYDEMAN AVE
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
VILLAGE OF ROXANA
WOOD RIVER REFINERY
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
BP
PUBLIC WORKS YARD
1986 APPROXIMATE BENZENE RELEASE SITE
RAND AVENUE
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE

MW-09 400.42; MW-10 400.24; MW-28 401.60; P-55R 402.60; MW-27 401.13; ROST-4-PZ(A) 400.03; ROST-4-PZ(B) 400.66; ROST-4-PZ(C) 400.34; ROST-4-PZ(D) 400.46; ROST-4-PZ 400.48; ROST-4-PZ(E) 400.94; ROST-4-PZ(F) 401.88; ROST-3-MW 399.91; P-60 399.06; ROST-4-PZ(G); MW-11 399.93; MW-24 399.97; MW-22 399.55; MW-17 398.96; MW-18 398.81; MW-19 399.08; MW-16 399.55; P-59 399.07; MW-20 399.42; P-56 399.47; MW-12 400.02; MW-02 399.86; MW-01 400.07; MW-26 400.20; MW-21 400.11; P-57 400.13; MW-04 400.38; MW-03 400.60; P-93A 400.29; P-93B; P-93C; P-93D; MW-25 400.66; MW-05 400.72; MW-07; MW-23 401.05; P-58 400.65; MW-06A 401.23; MW-6B; MW-6C; MW-6D; P-66 400.95; P-75 400.93; MW-14 401.56; MW-13 401.46; P-117 401.63; R-114R 401.74; P-116 401.78; P-115 401.90; R-119 402.02; T-64 401.99; T-63 401.97; T-62 402.29; T-7 402.19; P-67 402.20; A-147

T-13 400.77; T-1 400.58; T-2 400.48; T-12 398.70; P-69 398.28; P-74 398.70; P-61 398.92; P-59 399.07; P-56 399.47; T-6 400.03; P-73 399.78; P-68 399.22; T-24 399.34; P-62 399.61; P-70 399.01; P-71 401.02; S-1 400.32; P-72 400.78; P-54 400.16

W-77 W-78 W-79 W-80 W-81 W-89

A-32 A-31 A-58 A-57 A-28 A-53 A-37 A-35 A-16 A-30 A-22 A-29 F-50 F-76 F-77 F-75 F-73 F-74

0 300 SCALE FEET N

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

PROJECT NO. 60738191

AECOM

DRN. BY: gds October 2025
DSGN. BY: gds
CHKD. BY: mr/bh

Groundwater Contours 3Q25– West Fenceline

FIG. NO. 3b

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00888 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE) 3Q25.DWG Last edited: Aug. 29, 25 @ 5:00 PM by: alexandruionut.dumit

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 JULY 1–3, 2025.

TYDEMAN AVE
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
RAND AVENUE
VILLAGE OF ROXANA
BP
NORTH PROPERTY
WEST PROPERTY
MAIN PROPERTY
WOOD RIVER REFINERY
1986 APPROXIMATE BENZENE RELEASE SITE
PUBLIC WORKS YARD
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE

P-84A P-84B P-84C P-84D
T-13 T-1 T-2 T-12 T-6 T-7
A-32 A-31 A-58 A-57 A-34 A-28 A-33 A-37 A-27 A-35 A-16 A-30 A-22 A-29
F-50 F-76 F-77 F-78 F-73 F-74 F-75
MW-9 MW-10 ROST-4-PZ(A) MW-28 ROST-4-PZ(B) MW-27 ROST-4-PZ(D) ROST-4-PZ(C) ROST-3-MW ROST-4-PZ ROST-4-PZ(E) ROST-4-PZ(F) MW-11 ROST-4-PZ(G) MW-17 MW-24 MW-22 MW-18 MW-19 MW-16 MW-12 MW-20 MW-2 MW-1 MW-26 MW-21 MW-3 MW-4 MW-25 MW-5 MW-7 MW-23 MW-13 MW-6A MW-6B MW-6C MW-6D MW-14
P-54 P-60 P-68 P-69 P-74 P-59 P-56 P-57 P-93A P-93B P-93C P-93D P-58 P-66 P-75 P-71 P-72 P-67 P-117 P-114R P-116 P-115 P-119
P-55R 0.51 0.1
0.02 0.01
R-77 W-77 T-24 0.13 0.1
0.01 0.10
W-92 0.1 P-62 0.16 0.1
P-70 0.26*
1.0 P-61 1.25
R-78 W-78
R-79 W-79
R-80 W-80
R-89 W-89
R-81 W-81
S-1 0.12 0.1
P-63 0.01

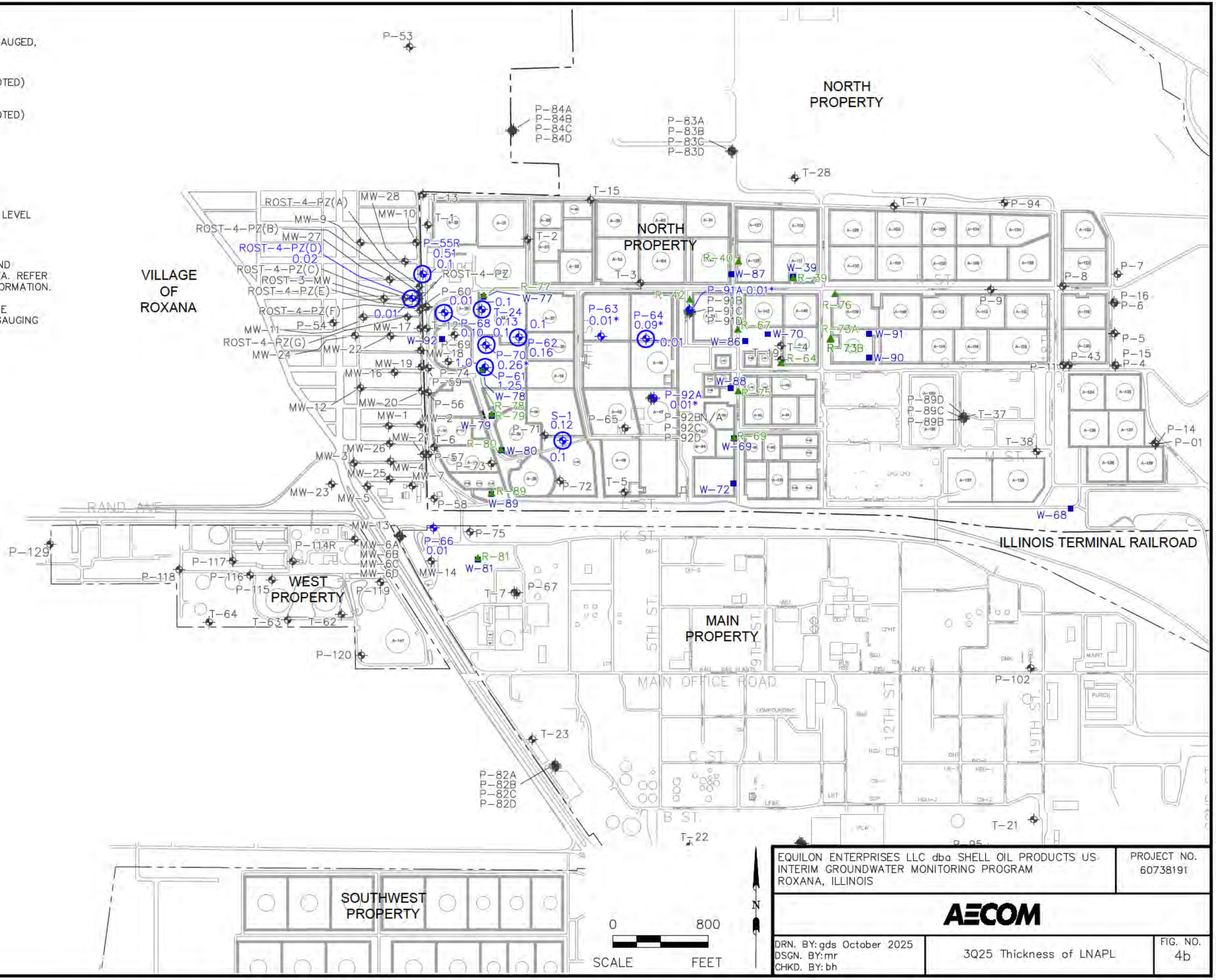
0 300
SCALE FEET
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY:gds October 2025 DSGN. BY:mr CHKD. BY:bh	3Q25 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 JULY 1-3, 2025.



0 800
SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY: gds October 2025 DSGN. BY: mr CHKD. BY: bh	3Q25 Thickness of LNAPL	FIG. NO. 4b

File: C:\USERS\ALEXANDRIA\OUTLOOK\ROXANA CONVENIENCE STORE - SHELL\ILLINOIS\ROXANA 3Q25.DWG Last edited: Sep. 05, 2025 @ 11:48 AM by: alexandria.ford

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 5 3Q25 GROUNDWATER ANALYTICAL RESULTS SUMMARY.DWG Last edited: Oct. 07, 25 @ 4:46 PM by: alexandruionut.dumit

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
Ethylbenzene	0.7
1,2,4-Trimethylbenzene	0.07
2-Methylnaphthalene	0.015
Phenol	0.1

3. MULTIPLE RESULTS (e.g., 1.7/1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
4. WELLS IDENTIFIED IN BLUE WITH NO DATA BOX INDICATE THE RESULTS DID NOT EXCEED SCREENING CRITERIA.
5. WELLS P-55R, P-66 AND P-68 WERE NOT SAMPLED DURING 3Q25 DUE TO THE PRESENCE OF LNAPL.

*+ = LCS AND/OR LCSD IS OUTSIDE ACCEPTANCE LIMITS, HIGH BIASED.

H = ANALYZED OR EXTRACTED OUT OF HOLDING TIME CRITERIA.

Sample Location	MW-22
Sampled 7/15/2025	Result (mg/L)
Benzene	0.021
Ethylbenzene	0.24
2-Methylnaphthalene	0.026

Sample Location	MW-4
Sampled 7/15/2025	Result (mg/L)
Benzene	7.5
Phenol	0.11

Sample Location	MW-25
Sampled 7/15/2025	Result (mg/L)
Benzene	410 / 400
Phenol	0.25 / 0.26

Sample Location	P-93A	P-93B	P-93C
Sampled 7/11, 7/14, 7/10/2025	Results (mg/L)		
Benzene	56	930	1.7 / 1.9
Phenol	0.32 *+ / 0.36 H	0.26	

Sample Location	ROST-4-PZ (G)
Sampled 7/9/2025	Result (mg/L)
Benzene	0.0083

Sample Location	T-12
Sampled 7/11/2025	Result (mg/L)
Benzene	1.2
2-Methylnaphthalene	0.041

Sample Location	P-74
Sampled 7/11/2025	Result (mg/L)
Benzene	4.9

Sample Location	P-59
Sampled 7/11/2025	Result (mg/L)
Benzene	0.42
1,2,4-Trimethylbenzene	0.071
2-Methylnaphthalene	0.025

Sample Location	P-56
Sampled 7/10/2025	Result (mg/L)
2-Methylnaphthalene	0.016

Sample Location	P-57
Sampled 7/10/2025	Result (mg/L)
Benzene	0.0072

Sample Location	P-58
Sampled 7/14/2025	Result (mg/L)
Benzene	390 / 350
2-Methylnaphthalene	0.05 / 0.05
Phenol	0.49 / 0.50

MW-9, MW-10, SECOND ST, MW-28, P-55R, NORTH PROPERTY, A-34, MW-27, ROST-4-PZ(A), ROST-4-PZ(B), ROST-4-PZ, ROST-4-PZ(C), THIRD ST, ROST-3-MW, ROST-4-PZ(D), ROST-4-PZ(E), ROST-4-PZ(F), P-60, P-68, A-28, T-24, 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, P-74, MW-19, P-61, MW-16, FIFTH ST, P-59, HIGHWAY 111 (S. CENTRAL AVE), VILLAGE OF ROXANA, MW-12, MW-20, P-56, SIXTH ST, MW-1, MW-2, CHAFFER AVE, 1ST STREET, F-76, F-77, BP, SEVENTH ST, MW-26, MW-21, T-6, P-57, P-93A, P-93B, P-93C, P-93D, A-22, MW-3, MW-4, EIGHTH ST, MW-5, MW-25, MW-7, MW-23, 1986 APPROXIMATE BENZENE RELEASE SITE, P-58, RAND AVENUE, 2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE, P-66, P-75, MW-6A, MW-6B, MW-6C, MW-6D, WEST PROPERTY, MW-13, MAIN PROPERTY, MW-14, P-114R

N

0 200

SCALE FEET

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

PROJECT NO. 60738191

AECOM

DRN. BY:gds October 2025
DSGN. BY:mr
CHKD. BY:bh

3Q25
Groundwater Monitoring Well
Analytical Exceedances

FIG. NO. 5

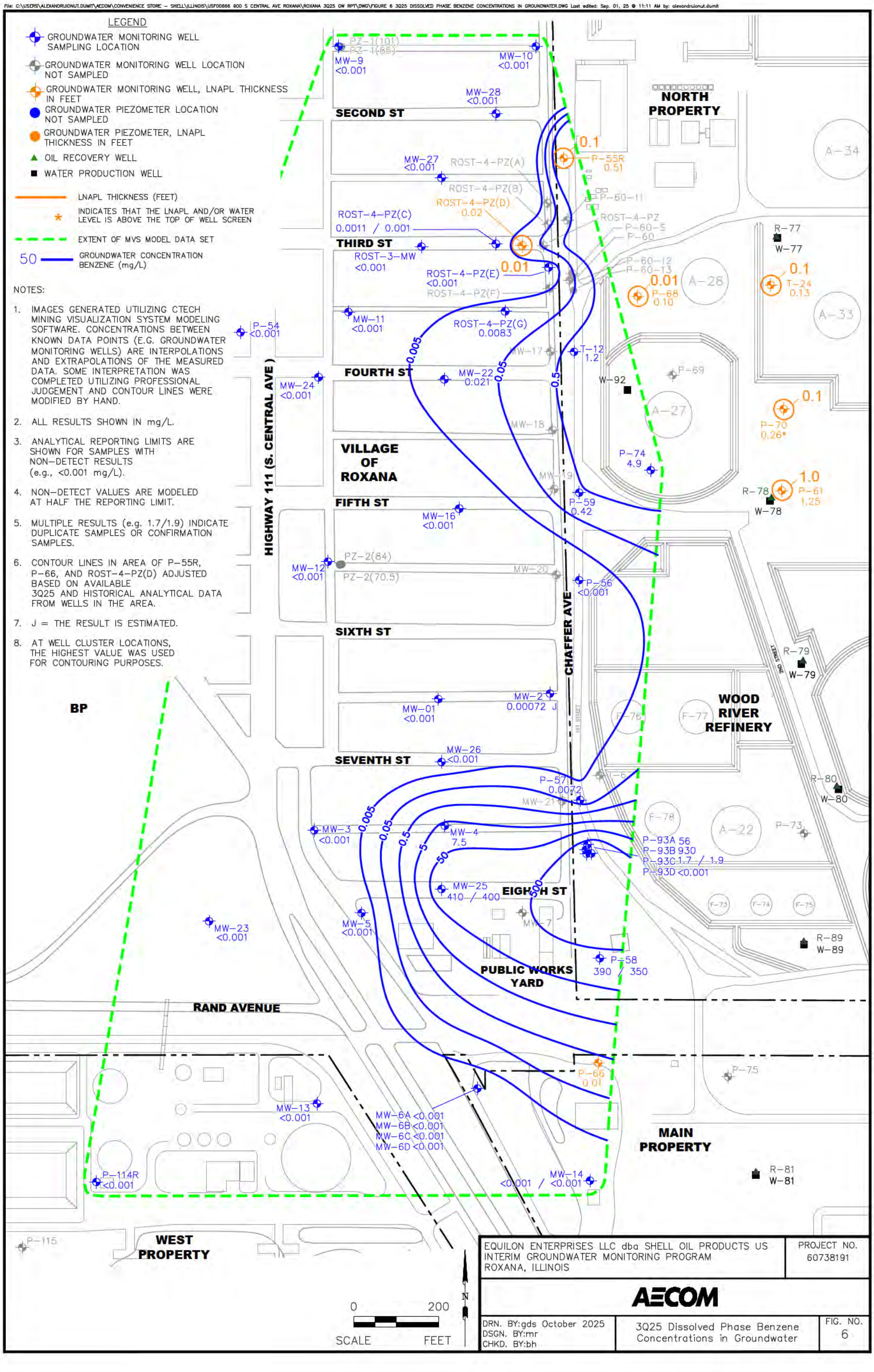
File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 6 3Q25 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: Sep. 01, 25 @ 11:11 AM by: alexandruionut.dumit

LEGEND

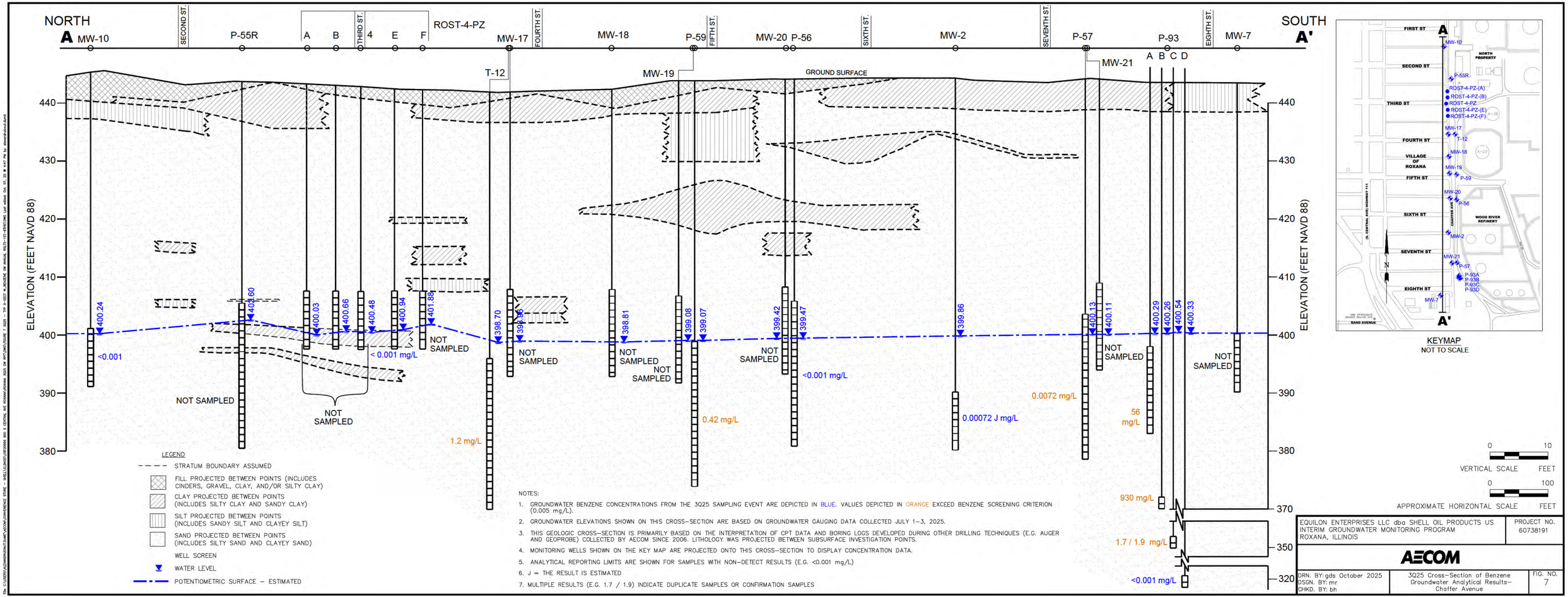
- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER MONITORING WELL, LNAPL THICKNESS IN FEET
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER, LNAPL THICKNESS IN FEET
- OIL RECOVERY WELL
- WATER PRODUCTION WELL
- LNAPL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

NOTES:

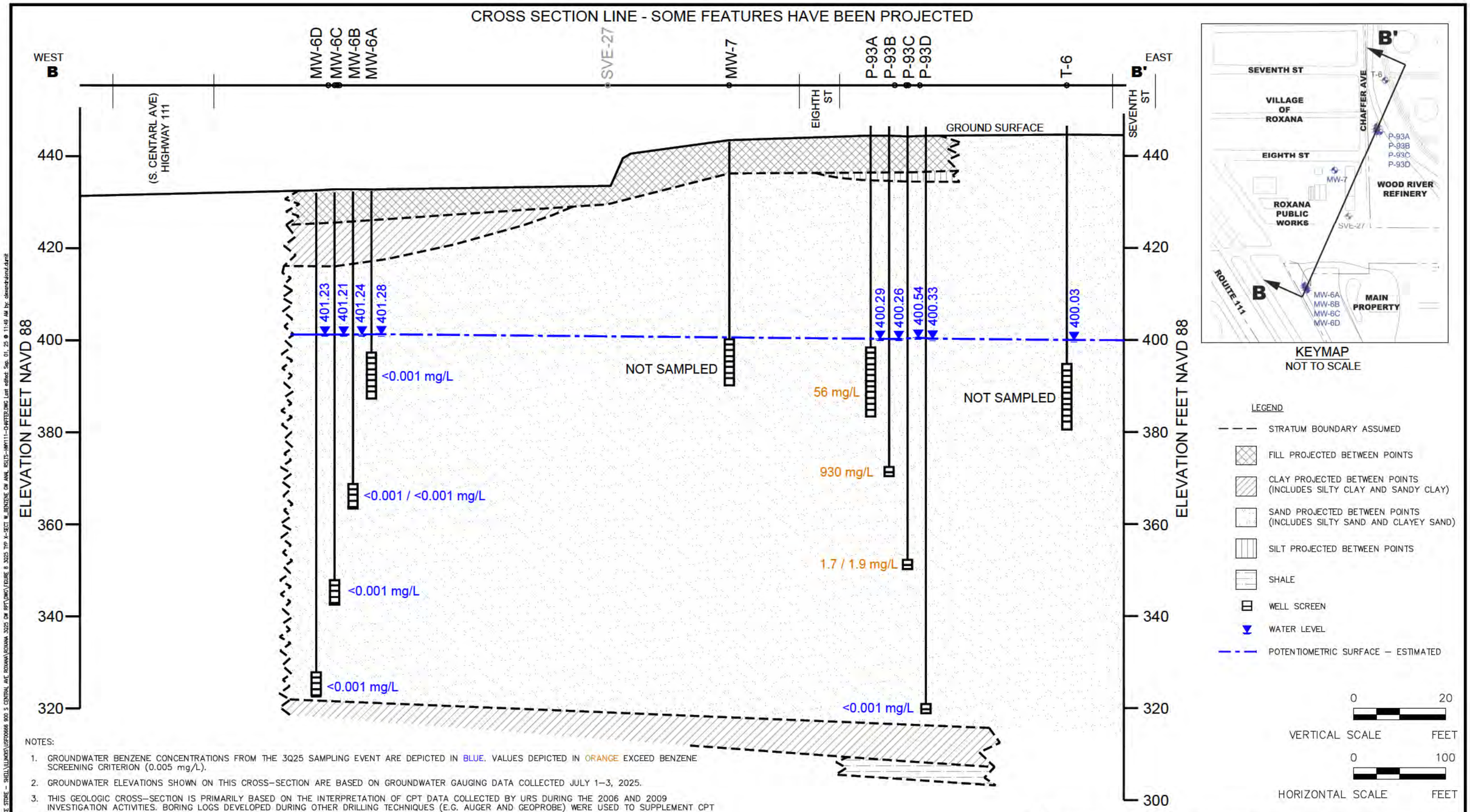
1. IMAGES GENERATED UTILIZING CTECH MINING VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES 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. 1.7/1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P–55R, P–66, AND ROST–4–PZ(D) ADJUSTED BASED ON AVAILABLE 3Q25 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. 60738191
AECOM		
DRN. BY:gds October 2025 DSGN. BY:mr CHKD. BY:bh	3Q25 Dissolved Phase Benzene Concentrations in Groundwater	FIG. NO. 6


NORTH
A
MW-10
SECOND ST.
P-55R
A
B
THIRD ST.
4
E
F
ROST-4-PZ
MW-17
FOURTH ST.
MW-18
P-59
FIFTH ST.
MW-20
P-56
SIXTH ST.
MW-2
SEVENTH ST.
P-57
P-93
EIGHTH ST.
MW-7
SOUTH
A'
T-12
MW-19
GROUND SURFACE
MW-21
A B C D
ELEVATION (FEET NAVD 88)
440
430
420
410
400
390
380
370
350
320
400.24
<0.001
402.60
NOT SAMPLED
400.03
400.66
400.48
400.94
< 0.001 mg/L
401.88
NOT SAMPLED
NOT SAMPLED
398.70
1.2 mg/L
399.36
NOT SAMPLED
398.81
NOT SAMPLED
399.08
399.07
NOT SAMPLED
0.42 mg/L
399.42
399.47
NOT SAMPLED
<0.001 mg/L
399.86
0.00072 J mg/L
400.13
400.11
NOT SAMPLED
0.0072 mg/L
400.29
400.26
400.54
400.33
NOT SAMPLED
56 mg/L
930 mg/L
1.7 / 1.9 mg/L
<0.001 mg/L
LEGEND
STRATUM BOUNDARY ASSUMED
FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY)
CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
WELL SCREEN
WATER LEVEL
POTENTIOMETRIC SURFACE – ESTIMATED
NOTES:
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 3Q25 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 JULY 1–3, 2025.
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. J = THE RESULT IS ESTIMATED
7. MULTIPLE RESULTS (E.G. 1.7 / 1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
VILLAGE OF ROXANA
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
CHAFFEE AVE
WOOD RIVER REFINERY
NORTH PROPERTY
MW-10
P-55R
ROST-4-PZ-(A)
ROST-4-PZ-(B)
ROST-4-PZ
ROST-4-PZ-(E)
ROST-4-PZ-(F)
MW-17
T-12
MW-18
MW-19
P-59
MW-20
P-56
MW-2
MW-21
P-57
P-93A
P-93B
P-93C
P-93D
MW-7
N
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. 60738191
AECOM
DRN. BY: gds October 2025
DSGN. BY: mr
CHKD. BY: bh
3Q25 Cross-Section of Benzene Groundwater Analytical Results–Chaffer Avenue
FIG. NO. 7

CROSS SECTION LINE - SOME FEATURES HAVE BEEN PROJECTED



KEYMAP
NOT TO SCALE

LEGEND

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

VERTICAL SCALE 0 20 FEET

HORIZONTAL SCALE 0 100 FEET

NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 3Q25 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 JULY 1–3, 2025.
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 (e.g. 1.7 / 1.9) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60738191
AECOM	
DRN. BY: gds October 2025 DSGN. BY: mr CHKD. BY: bh	3Q25 Cross–Section of Benzene Groundwater Analytical Results– Roxana Public Works Yard
	FIG. NO. 8

File: C:\USERS\VLEONARD\MY DUMPY\ROXANA CONVENIENCE STORE – SHELL\ILLINOIS\ISF00666 900 S CENTRAL AVE, ROXANA\ROXANA 3Q25 GW RPT\DWG\FIGURE 8 3Q25 TYP X-SECT W_BENZENE GW ANAL RSLTS–HWY111–CHPTER3.DWG Last edited: Sep. 01, 25 @ 11:49 AM by: alexandra.leonard.ctr

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 (CA-1, -3, -5, -6, -7, -8, -10, and -11) (IEPA, 2011a) and August 31, 2011 (CA-21) (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 (CA-67) 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). In a letter (CA-37 and -58) dated May 22, 2015, IEPA provided approval for the April 3, 2013 *Groundwater Monitoring Well and Vapor Monitoring Point Installation Report* (IEPA, 2015).

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 (CA-38 and -41) 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 (CA-63) (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). On March 11, 2024, a replacement RCRA form with wet signatures was submitted to IEPA (AECOM, 2024d). In a letter (M-32, -44, -53, and CA-93) dated August 20, 2025 (IEPA, 2025b), IEPA approved with conditions the July 27, 2016 letter, with additional actions necessary to finalize approval of the off-site portion of the GMZ.

In a July 18, 2013 letter (CA-33, -45, and -48) 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 (M-9 through -13, and -15) 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 (CA-47) 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 (CA-70) 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 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 (CA-83) 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 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 via email the Roxana Groundwater Ordinance 867 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, 2019a).

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 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 (M-21, -26 through -30, -35, -36, and -38) (IEPA, 2019b). 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. In the letter dated August 20, 2025 (M-32, -44, -53, and CA-93) (IEPA, 2025b), IEPA determined that new well 293B continues to be necessary, supported by the conditions of a January 26, 2024 letter (CA-113, -114, -115) (IEPA, 2024a) which requires delineation to the southwest, south, and southeast of the SEE system area.

On August 22, 2022, IEPA approved with conditions the *Public Works Yard (PWY) Steam Enhanced Extraction (SEE) Workplan* (CA-107) (IEPA, 2022b). The PWY SEE Workplan was submitted to IEPA on January 31, 2022 (AECOM, 2022a) and provided the system design as well as the plan and schedule for construction, operation, post-shutdown monitoring, and decommissioning for the proposed SEE system at the Roxana old PWY. In a September 21, 2022 meeting attended by AECOM, Shell, McMillan-McGee, and IEPA, comments pertaining to the IEPA's August 22, 2022 letter were discussed, including additional PWY sampling.

- Condition 2 of IEPA's August 22, 2022 letter (CA-107) stated that a Roxana Public Works Yard (PWY) Steam Enhanced Extraction (SEE) - Final Design Report and Construction Work Plan (FDRCWP) was due within 90 days of the date of the letter (i.e. November 20, 2022). On October 14, 2022, AECOM, on behalf of Shell, requested the due date for the FDRCWP be extended to December 20, 2022 to allow for adequate preparation.

On December 16, 2022, AECOM, on behalf of Shell, submitted the *Roxana Public Works Yard (PWY) Steam Enhanced Extraction (SEE) - Final Design Report and Construction Work Plan (FDRCWP)* (AECOM, 2022e) to IEPA in fulfillment of Phase II of the Corrective Measures Program (CMP). The Roxana PWY SEE FDRCWP responded to conditions in IEPA's August 22, 2022 letter (CA-107) and describes the additional sampling discussed in the September 21, 2022 meeting that will be collected prior to, and during, the construction of the SEE system. On January 30, 2023, AECOM, on behalf of Shell, submitted *Additional Information to Log No. B-43R-CA-109* (*PWY SEE – Response to 8/22/22 Letter & FDRCWP*) (AECOM, 2023a) in response to questions and specific requests by IEPA during a virtual discussion on January 5, 2023, to help facilitate IEPA review and respond to the Roxana PWY SEE FDRCWP. On May 5, 2023, IEPA approved with conditions the Roxana PWY SEE FDRCWP for in-situ thermal remediation (ISTR), specifically Steam Enhanced Extraction (SEE), to reduce and remediate benzene as well as other VOCs present in the treatment target zone of SEE at the PWY (CA-109) (IEPA, 2023b). On August 3, 2023, AECOM, on behalf of Shell, submitted a response (AECOM, 2023f) to the IEPA letter dated May 5, 2023. On January 26, 2024, IEPA approved with conditions the response to May 5, 2023 IEPA Letter as well as two Additional

Information submittals related to the Roxana PWY SEE FDRCWP (CA-113, -114, and -115) (IEPA, 2024a). On February 23, 2024, AECOM, on behalf of Shell, submitted a response to the IEPA letter dated January 26, 2024 (AECOM, 2024b). On March 4, 2024, AECOM, on behalf of Shell, submitted the *Former Public Works Yard Steam Enhanced Extraction – Pre-SEE Additional Sampling Results* in response to conditions from the IEPA May 5, 2023, letter (AECOM, 2024c). On March 14, 2024, a virtual meeting was held between IEPA, Shell, and AECOM to provide an update on the SEE prior to startup and facilitate an open forum for any questions. On April 22, 2024, IEPA approved with conditions the *Response to January 26, 2024 IEPA letter* dated February 23, 2024, as well as another submittal *Former Public Works Yard Steam Enhanced Extraction – Pre-SEE Additional Sampling Results,* dated March 4, 2024 (CA-116 and -117) (IEPA, 2024d).

On January 30, 2023, AECOM, on behalf of Shell, also submitted the Application for Water Pollution Control Permit to IEPA for the PWY SEE system (AECOM, 2023b). This was submitted after receipt of IEPA's July 11, 2022 Contained-In concurrence letter (PS22-007) (IEPA, 2022a). On March 2, 2022, AECOM, on behalf of Shell, submitted the Contained-In Determination Request Form (AECOM, 2022c) to IEPA that was inadvertently left out of the Contained-In Determination submitted February 21, 2022 (AECOM, 2022b). The February 21, 2022 Contained-In Determination stated groundwater generated during operation of the proposed SEE system is expected to no longer contain hazardous waste after treatment. On April 4, 2023, IEPA approved with conditions the FPWY Construction and Operation of Steam Enhanced Extraction Pretreatment System permit (IEPA, 2023a). The operational portion of this permit expires February 28, 2028.

On February 23, 2023, AECOM, on behalf of Shell, submitted the Former Public Works Yard (FPWY) Class V Injection Well Inventory Form for the PWY SEE system (AECOM, 2023c).

On August 1, 2023, IEPA responded to the AECOM letter dated July 6, 2023, *Notice of Water Production Well W-85 Damage* (AECOM, 2023d), requesting the frequency for groundwater monitoring, well gauging, and reporting increased to a monthly schedule until a replacement for W-85 is installed and "capable of operating and contributing to the required combined minimum pumping rate of 3,000 gallons per minute" (PS23-032) (IEPA, 2023c). On August 10, 2023, a virtual meeting was held between IEPA, Shell, and AECOM to clarify and discuss the conditions of the IEPA August 1, 2023, letter. On August 11, 2023, AECOM, on behalf of Shell, submitted a Class 1* Permit Modification (AECOM, 2023g) in accordance with Condition IV(K)(2) of Shell's RCRA Post-Closure Permit, issued September 23, 2010, and most recently modified October 31, 2022. The Class 1* Permit Modification included further discussion of well W-85 notification timeline, W-85 removal, and proposal for new water production well W-92.

On November 8, 2023, IEPA issued a Violation Notice (VN L-2023-00369), in response to the triennial site inspection performed in July 2023 (IEPA, 2023d). The alleged violations included in this violation notice were related to monitoring well labels and construction. A meeting was held between AECOM, Shell, and IEPA on January 4, 2024. A request for extension to submit a response to the Violation Notice was submitted to IEPA on January 15, 2024, and was approved by IEPA in an email dated January 24, 2024. AECOM, on behalf of Shell, submitted a *Response to Violation Notice L-2023-00370* on February 16, 2024 (AECOM, 2024a). IEPA issued a Proposed Compliance Commitment Agreement, which was dated March 21, 2024, and received by AECOM on March 25, 2024 (IEPA, 2024b). The Proposed CCA was signed and accepted by Shell; IEPA issued the Executed CCA on April 29, 2024. The Class 1* Permit Modification Request required by the executed CCA was submitted to IEPA on March 28, 2024 (AECOM, 2024e).

On April 9, 2024, IEPA approved the July 6, 2023 Request to Change Due Dates of Roxana Interim Groundwater Monitoring Reports (AECOM, 2023e), extending due dates by approximately two weeks (CA-112) (IEPA, 2024c).

On December 13, 2024, AECOM, on behalf of Shell, submitted the *Former Public Works Yard Steam Enhanced Extraction System 2024-2025 Winter Operations Plan* letter (AECOM, 2024f). On February 18, 2025, IEPA approved with conditions this Winter Operations Plan (CA-120) (IEPA, 2025a).

Historical References

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

AECOM, 2016 (AECOM, 2016a); *Additional Information – Groundwater Management Zone*. Prepared for Shell Oil Products US (Shell), dated January 29, 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 (Shell), dated October 14, 2016.

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

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

AECOM, 2020 (AECOM, 2020a); *Response to IEPA Notice of Permit Renewal Application Incompleteness*. Prepared for Shell Oil Products US (Shell) 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 Shell Oil Products US (Shell), dated October 12, 2020.

AECOM, 2022 (AECOM, 2022a); *Public Works Yard (PWY) Steam Enhanced Extraction (SEE) Workplan*. Prepared for Shell Oil Products US (Shell), dated January 31, 2022.

AECOM, 2022 (AECOM, 2022b); *Contained-In Determination for PWY Pretreatment Water Management.* Prepared for Shell Oil Products US (Shell), dated February 21, 2022.

AECOM, 2022 (AECOM, 2022c); *Contained-In Determination Request Form for PWY Pretreatment Water Management.* Prepared for Shell Oil Products US (Shell), dated March 2, 2022.

AECOM, 2022 (AECOM, 2022d); *Additional Information Supplemental to the Proposed Groundwater Management Zone*. Prepared for Shell Oil Products US (Shell), dated March 18, 2022.

AECOM, 2022 (AECOM, 2022e); *Old Public Works Yard Steam Enhanced Extraction – Response to 8/22/22 Letter and Final Design Report & Construction Work Plan*. Prepared for Shell Oil Products US (Shell), dated December 16, 2022.

AECOM, 2023 (AECOM, 2023a); *Additional Information to Log No. B-43R-CA-109 (PWY SEE – Response to 8/22/22 Letter & FDRCWP).* Prepared for Shell Oil Products US (Shell), dated January 30, 2023.

AECOM, 2023 (AECOM, 2023b); *Application for Water Pollution Control Permit – Wastewater Pretreatment System.* Prepared for Shell Oil Products US (Shell), dated January 30, 2023.

AECOM, 2023 (AECOM, 2023c); *Former Public Works Yard Class V Injection Well Inventory Form.* Prepared for Shell Oil Products US (Shell), dated February 23, 2023.

AECOM, 2023 (AECOM, 2023d); *Notice of Water Production Well W-85 Damage.* Prepared for Shell Oil Products US (Shell), dated July 6, 2023.

AECOM, 2023 (AECOM, 2023e); *Request to Modify Report Due Dates.* Prepared for Shell Oil Products US (Shell), dated July 6, 2023.

AECOM, 2023 (AECOM, 2023f); *Response to May 5, 2023 IEPA FPWY SEE Letter*. Prepared for Shell Oil Products US (Shell), dated August 3, 2023.

AECOM, 2023 (AECOM, 2023g); *Class 1* Permit Modification – Further Discussion of W-85 Notification Timeline; W-85 Removal; Proposal for New Well (W-92).* Prepared for Shell Oil Products US (Shell), dated August 11, 2023.

AECOM, 2024 (AECOM, 2024a); *Response to Violation Notice L-2023-00370.* Prepared for Shell Oil Products US (Shell), dated February 16, 2024.

AECOM, 2024 (AECOM, 2024b); *Response to January 26, 2024 IEPA FPWY SEE Letter.* Prepared for Shell Oil Products US (Shell), dated February 23, 2024.

AECOM, 2024 (AECOM, 2024c); *FPWY Pre-SEE Additional Sampling Results.* Prepared for Shell Oil Products US (Shell), dated March 4, 2024.

AECOM, 2024 (AECOM, 2024d); *Replacement RCRA Form for Response to IEPA Letter dated July 27, 2016 – Groundwater Conditions near East 3rd and Chaffer Streets.* Prepared for Shell Oil Products US (Shell), dated March 11, 2024.

AECOM, 2024 (AECOM, 2024e); *Class 1* Permit Modification – Groundwater Monitoring Well Removal and Replacement Request.* Prepared for Shell Oil Products US (Shell), dated March 28, 2024.

AECOM, 2024 (AECOM, 2024f); *Former Public Works Yard Steam Enhanced Extraction System 2024-2025 Winter Operations Plan.* Prepared for Shell Oil Products US (Shell), dated December 13, 2024.

Illinois Environmental Protection Agency, 2010 (IEPA, 2010b); *Hazardous Waste Management RCRA Post-Closure Permit.* Issued to Shell Oil Products US (Shell) 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; modified March 28, 2022; modified October 31, 2022; modified August 20, 2025.

Illinois Environmental Protection Agency, 2011 (IEPA, 2011a); *Corrective Action Letter for the West Fenceline*. Issued to Shell Oil Products US (Shell) 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 (Shell) 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 (Shell), 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 (Shell), dated March 14, 2012.

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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) 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 (Shell) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated August 2, 2017.

Illinois Environmental Protection Agency, 2019 (IEPA, 2019a); *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 (Shell), dated November 7, 2019.

Illinois Environmental Protection Agency, 2019 (IEPA, 2019b); *Response to Class I* Permit Modification Requests*. Issued to Shell Oil Products US (Shell) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated December 20, 2019.

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

Illinois Environmental Protection Agency, 2022 (IEPA, 2022a); *Approval of PWY SEE Contained-In Determination*. Issued to Shell Oil Products US (Shell), dated July 11, 2022.

Illinois Environmental Protection Agency, 2022 (IEPA, 2022b); *Public Works Yard (PWY) Steam Enhanced Extraction (SEE) Workplan Approval with Conditions*. Issued to Shell Oil Products US (Shell), dated August 22, 2022.

Illinois Environmental Protection Agency, 2023 (IEPA, 2023a); *Water Pollution Control Permit.* Issued to Shell Oil Products US (Shell) at the Village of Roxana Wastewater Treatment Plant, issued April 4, 2023; expires February 23, 2028.

Illinois Environmental Protection Agency, 2023 (IEPA, 2023b); *Approval with Conditions of Old Public Works Yard (PWY) Steam Enhanced Extraction (SEE) Final Design Report & Construction Work Plan.* Issued to Shell Oil Products US (Shell), dated May 5, 2023.

Illinois Environmental Protection Agency, 2023 (IEPA, 2023c); *Response to Part B Permit W-85 Outage Notice.* Issued to Shell Oil Products US (Shell), dated August 1, 2023.

Illinois Environmental Protection Agency, 2023 (IEPA, 2023d); *Violation Notice L-2023-00369*. Issued to Shell Oil Products US (Shell), dated November 8, 2023.

Illinois Environmental Protection Agency, 2024 (IEPA, 2024a); *Approval with Conditions of Three Recent FPWY SEE Submittals.* Issued to Shell Oil Products US (Shell), dated January 26, 2024.

Illinois Environmental Protection Agency, 2024 (IEPA, 2024b); *Proposed Compliance Commitment Agreement Violation Notice L-2023-00369*. Issued to Shell Oil Products US (Shell), dated March 21, 2024.

Illinois Environmental Protection Agency, 2024 (IEPA, 2024c); *Approval of Request to Change Due Dates of Roxana Interim Groundwater Monitoring Reports.* Issued to Shell Oil Products US (Shell), dated April 9, 2024.

Illinois Environmental Protection Agency, 2024 (IEPA, 2024d); *Approval with Conditions of Two Recent FPWY SEE Submittals*. Issued to Shell Oil Products US (Shell), dated April 22, 2024.

Illinois Environmental Protection Agency, 2025 (IEPA, 2025a); *Approval with Conditions of Two Recent FPWY SEE Submittals*. Issued to Shell Oil Products US (Shell), dated February 18, 2025.

Illinois Environmental Protection Agency, 2025 (IEPA, 2025b); *Response to Class I* Permit Modification Requests.* Issued to Shell Oil Products US (Shell), dated August 20, 2025.

URS Corporation, 2013 (URS, 2013a); *Roxana Perched Groundwater Monitoring Locations*; Prepared for Shell Oil Products US (Shell); 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 (Shell); dated July 29, 2013.

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

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

URS Corporation, 2014 (URS, 2014b); *Perched Groundwater Monitoring Request for Abandonment*; Prepared for Shell Oil Products US (Shell); 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 (Shell); dated December 5, 2014.

Appendix B

Low Flow Groundwater Sampling Data Sheets

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/8/25 WEATHER: 81° Sunny

MONITORING WELL ID: MW-1 SAMPLE ID: MW1-ROX-070825

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): 42.72 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 (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 16.41 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% | Spec. Cond. +/-5% or +/-2 uS/cm | DO +/-0.2 mg/L | ORP +/-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	1025	42.74	clear	none	20.80	0.975	1.085 mS/cm uS/cm	6.70	117.51	15.14
300	1026	42.74	↓	↓	20.75	0.962	1.085 mS/cm uS/cm	6.71	115.94	16.13
600	1027	42.74	↓	↓	20.71	0.944	1.086 mS/cm uS/cm	6.71	113.89	17.43
900	1028	↓	↓	↓	20.73	0.915	1.087 mS/cm uS/cm	6.71	110.86	16.34
1200	1029	↓	↓	↓	20.80	0.892	1.088 mS/cm uS/cm	6.71	108.21	17.56
							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			

SMSM 070825

Start Time: 1025 Elapsed Time (min): 4mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1029 Average Purge Rate (mL/min): 300 Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1030 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SMSM

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S.McLean, T.Jenkins

DATE: 7/15/25 | WEATHER: 82° Cloudy

MONITORING WELL ID: MW-2 | SAMPLE ID: MW2-ROX-071525 (-EB)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 54.87 ft btoc
Total Well Depth (btoc): 60.20 ft	
Depth to Water (btoc): 44.05 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 49.87 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 16.15 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: 175.2 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1021	44.92	clear	slight	20.38	0.851	0.826 mS/cm uS/cm	6.97	14.24	5.948
300	1022	44.92	↓	↓	20.28	0.827	0.822 mS/cm uS/cm	6.98	9.87	6.604
600	1023	44.92	↓	↓	20.30	0.800	0.817 mS/cm uS/cm	6.99	4.02	7.323
900	1024	↓	↓	↓	20.26	0.786	0.815 mS/cm uS/cm	6.99	1.10	7.578
1200	1025	↓	↓	↓	20.41	0.767	0.811 mS/cm uS/cm	6.99	-3.14	8.435
							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			

SMS 071525

Start Time: 1021 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 56109/21947

Stop Time: 1025 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/15/25

SAMPLING DATA

Sample Date: SMS | Sample Time: 1030 | 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: 7/15/25

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/8/25 | WEATHER: Sunny 82°F

MONITORING WELL ID: MW-3 | SAMPLE ID: MW3-Rox-070825

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.84 ft btoc
Total Well Depth (btoc): 45.00 ft	
Depth to Water (btoc): 29.65 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): 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): 15.35 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1048	29.68	clear	slight	20.8	2.27	1.453 mS/cm uS/cm	6.88	-103.7	0.00
1800	1054	29.67	↓	↓	21.4	0.57	1.438 mS/cm uS/cm	6.74	-140.2	0.00
2100	1055	29.67			21.2	0.55	1.429 mS/cm uS/cm	6.74	-141.1	0.00
2400	1056	29.67			21.1	0.51	1.433 mS/cm uS/cm	6.74	-142.0	0.00
2700	1057	29.67			21.0	0.47	1.428 mS/cm uS/cm	6.74	-142.8	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

TJ 7/8/25

Start Time: 1048 | Elapsed Time (min): 9 | Water Quality Meter ID & SN: YSI ProDSS -- 21B046/210765

Stop Time: 1057 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 | 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: TJ, TS

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: MMesso TJones

DATE: 7/15/25 | WEATHER: partly cloudy 76°

MONITORING WELL ID: MW-4 | SAMPLE ID: MW4-ROX-071525

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): 40.93 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 45.06 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 14.46 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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	0820	40.96	clear	mod HC	20.6	0.92	0.929 mS/cm uS/cm	6.69	-25.29	7.27
300	0821	40.96			20.7	0.80	0.928 mS/cm uS/cm	6.71	-44.19	6.45
600	0822	40.96			20.6	0.71	0.927 mS/cm uS/cm	6.73	-57.84	5.37
900	0823	↓			20.5	0.63	0.924 mS/cm uS/cm	6.75	-69.14	4.88
1200	0824				20.5	0.58	0.922 mS/cm uS/cm	6.76	-77.07	5.89
1500	0825				20.5	0.54	0.920 mS/cm uS/cm	6.77	-83.87	4.76
1800	0826				20.8	0.51	0.918 mS/cm uS/cm	6.77	-89.14	3.30
							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			

MM 7/15/25

Start Time: 0820 | Elapsed Time (min): 6 | Water Quality Meter ID & SN: YSI ProDSS -- 21804G/21076S

Stop Time: 0826 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/15/25

SAMPLING DATA

Sample Date: 7/15/25 | Sample Time: 0830 | 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? Y | Initials: MM

COMMENTS:

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

Estimated Total Purge Volume: 1800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/8/25 WEATHER: Sunny 82°F

MONITORING WELL ID: MW-5 SAMPLE ID: MW5-Rox-070825

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.14 ft btoc
Total Well Depth (btoc): 44.30 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 29.20 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): 33.97 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.1 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; 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	1201	29.23	clear	slight	22.4	1.90	1.233 mS/cm uS/cm	6.72	-104.5	0.00
2100	1208	29.25	↓	↓	21.9	0.43	1.214 mS/cm uS/cm	6.67	-136.6	0.00
2400	1209	29.25			21.7	0.40	1.213 mS/cm uS/cm	6.67	-137.3	0.00
2700	1210	29.23			21.6	0.38	1.210 mS/cm uS/cm	6.67	-138.2	0.00
3000	1211	29.23			21.8	0.34	1.208 mS/cm uS/cm	6.67	-139.2	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/8/25		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: 1201 Elapsed Time (min): 10 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/21C765

Stop Time: 1211 Average Purge Rate (mL/min): 300 Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1215 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S.McLean, M.Massa

DATE: 7/8/25 WEATHER: 88° Sunny

MONITORING WELL ID: MW-6A SAMPLE ID: MW6A-ROX-070825

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	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): 31.09 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	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Depth to Top of Screen (btoc): 33.85 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	
Screen Length: 10 ft		
Water Column Height (not including NAPL): 13.09 ft		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1233	31.11	clear	slight	21.94	0.878	0.758 mS/cm uS/cm	6.70	-127.98	13.79
300	1234	31.11	↓	↓	21.79	0.855	0.759 mS/cm uS/cm	6.78	-129.71	14.34
600	1235	31.11			21.82	0.821	0.760 mS/cm uS/cm	6.78	-132.18	15.40
900	1236	↓			21.83	0.792	0.762 mS/cm uS/cm	6.78	-134.39	15.58
1200	1237				21.87	0.776	0.763 mS/cm uS/cm	6.79	-135.70	16.33
							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			

SMSM 070825

Start Time: 1233 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1237 Average Purge Rate (mL/min): 300 Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1240 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: SMSM

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/8/25 | WEATHER: 91° Cloudy

MONITORING WELL ID: MW-6B | SAMPLE ID: MW6B-ROX-070825 /(-MS/MSD)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 66.05 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 68.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 31.12 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): 63.55 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): 37.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1310	31.14	clear	slight	22.15	1.008	0.643 mS/cm uS/cm	7.07	-108.41	0
300	1311	31.14	↓	↓	22.83	0.973	0.647 mS/cm uS/cm	7.07	-109.88	0
600	1312	31.14	↓	↓	22.49	0.952	0.654 mS/cm uS/cm	7.06	-111.76	0
900	1313	↓	↓	↓	21.85	0.946	0.654 mS/cm uS/cm	7.07	-113.71	0
1200	1314	↓	↓	↓	21.66	0.919	0.651 mS/cm uS/cm	7.07	-115.65	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SMSM 070825

Start Time: 1310 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1314 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 | Sample Time: 1315 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) | Initials: SMSM

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/9/25 WEATHER: 73° Overcast

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C-ROX-070925

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 86.77 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 89.60 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 30.91 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): 84.27 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): 58.69 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	0901	30.96	clear	slight	19.62	1.023	0.764 mS/cm uS/cm	6.80	-25.06	0.863
300	0902	30.96	↓	↓	19.62	0.998	0.766 mS/cm uS/cm	6.82	-31.98	0.596
600	0903	30.96	↓	↓	19.57	0.963	0.767 mS/cm uS/cm	6.83	-43.66	0
900	0904	↓	↓	↓	19.58	0.927	0.769 mS/cm uS/cm	6.84	-53.82	0
1200	0905	↓	↓	↓	19.56	0.913	0.770 mS/cm uS/cm	6.85	-58.25	0
1500	0906	↓	↓	↓	19.56	0.917	0.770 mS/cm uS/cm	6.85	-57.42	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

SMSm 070925

Start Time: 0901 Elapsed Time (min): 5 mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 0906 Average Purge Rate (mL/min): 300 Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 Sample Time: 0910 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SMSm

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/9/25 WEATHER: 73° Overcast

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-ROX-070925

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 106.67 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 109.50 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 30.74 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): 104.17 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): 78.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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	0950	30.77	clear	none	19.90	0.984	0.920 mS/cm uS/cm	7.00	-108.10	2.082
300	0951	30.77	↓	↓	19.95	0.957	0.922 mS/cm uS/cm	7.00	-110.54	1.496
600	0952	30.77	↓	↓	19.95	0.926	0.925 mS/cm uS/cm	7.01	-113.35	1.096
900	0953	↓	↓	↓	19.84	0.901	0.924 mS/cm uS/cm	7.01	-115.70	0.765
1200	0954	↓	↓	↓	19.81	0.877	0.928 mS/cm uS/cm	7.01	-117.88	0.325
							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			

SMS 070925

Start Time: 0950 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 50109/219247

Stop Time: 0954 Average Purge Rate (mL/min): 300 Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 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: N/A

VOA Vials, No Headspace [X] Initials: SMS

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Massa TJones

DATE: 7/15/25 WEATHER: party cloudy 80°

MONITORING WELL ID: MW-7 SAMPLE ID: —

INITIAL DATA

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (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))
							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			

7/15/25

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 operation of PPMV SVE system

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/7/25 WEATHER: Cloudy, 82°F

MONITORING WELL ID: MW-9 SAMPLE ID: MW9-Rox-070725

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 51.21 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 56.37 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): 44.88 ft		Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Depth to Top of Screen (btoc): 46.04 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
Screen Length: 10 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	
Water Column Height (not including NAPL): 11.49 ft		

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	0952	44.92	clear	none	20.84	3.046	0.910 mS/cm uS/cm	6.41	104.81	1.34
1200	0956	44.92	↓	↓	20.26	0.706	0.913 mS/cm uS/cm	6.64	-72.40	0.88
1500	0957	44.92			20.29	0.618	0.911 mS/cm uS/cm	6.66	-79.27	0.98
1800	0958	44.92			20.30	0.548	0.910 mS/cm uS/cm	6.67	-84.82	1.12
2100	0959	44.92			20.31	0.511	0.909 mS/cm uS/cm	6.68	-88.03	1.82
							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			

TJ 7/7/25

Start Time: 0952 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 18046/210765

Stop Time: 0959 Average Purge Rate (mL/min): 300 Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1005 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/7/25 | WEATHER: Cloudy, 82°F

MONITORING WELL ID: MW-10 | SAMPLE ID: MW10-Rox-070725, MW10-Rox-070725-MS, MW10-Rox-070725-MSD

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): 54.22 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 49.51 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 43.89 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): 9.42 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% | Spec. Cond. +/-5% or +/-2 uS/cm | DO +/-0.2 mg/L | ORP +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1105	44.82	clear	none	21.09	2.63	1.665	mS/cm uS/cm	6.74	-69.65	28.53
900	1168	44.80	↓	↓	19.99	0.69	1.688	mS/cm uS/cm	6.84	-109.26	17.07
1200	1109	44.80			20.15	0.56	1.702	mS/cm uS/cm	6.85	-115.03	15.46
1500	1110	44.81			20.19	0.50	1.713	mS/cm uS/cm	6.85	-118.07	15.22
1800	1111	44.81			20.30	0.46	1.722	mS/cm uS/cm	6.85	-120.28	15.39
2100	1112	44.80			20.32	0.40	1.736	mS/cm uS/cm	6.85	-122.98	15.29
								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			

7/7/25

Start Time: 1105 | Elapsed Time (min): 7 | Water Quality Meter ID & SN: YSI ProDSS -- 21804621076S

Stop Time: 1112 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 | Sample Time: 1115 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/7/25 WEATHER: 82° Sunny

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-ROX-070725-(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): 51.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.91 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 47.27 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NF ft		
Depth to Top of Screen (btoc): 41.50 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): 9.12 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): — 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	1010	42.73	light brown	none	21.04	1.045	1.370 mS/cm uS/cm	6.70	-99.78	44.63
300	1011	42.73	↓	↓	20.87	1.020	1.365 mS/cm uS/cm	6.70	-100.62	39.57
600	1012	42.73			20.76	1.006	1.360 mS/cm uS/cm	6.71	-101.05	38.29
900	1013	↓			20.73	0.988	1.356 mS/cm uS/cm	6.71	-101.48	35.09
1200	1014				20.80	0.969	1.350 mS/cm uS/cm	6.71	-101.77	34.95
							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			

3 1-87 070725

Start Time: 1010 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1014 Average Purge Rate (mL/min): 300 Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1015 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SMS

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL * EB collected @ 0810 *

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S.McLean, M.Massa

DATE: 7/7/25 WEATHER: 93°Sunny

MONITORING WELL ID: MW-12 SAMPLE ID: MW12-ROX-070725

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): 51.74 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 47.17 ft btoc
Depth to Water (btoc): 42.60 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
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 41.41 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): 9.14 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

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	1215	42.64	clear	none	21.68	1.258	0.717 mS/cm uS/cm	6.86	77.80	14.05
300	1216	42.64			21.61	1.232	0.716 mS/cm uS/cm	6.86	77.61	13.27
600	1217	42.64			21.43	1.197	0.713 mS/cm uS/cm	6.87	77.22	14.04
900	1218				21.07	1.163	0.708 mS/cm uS/cm	6.87	76.90	12.69
1200	1219				20.96	1.135	0.703 mS/cm uS/cm	6.88	76.53	12.10
							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			

SM 8.1.m 070725

Start Time: 1215 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1219 Average Purge Rate (mL/min): 300 Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1225 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials: SMSM

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/9/25 | WEATHER: 84° Partly Cloudy

MONITORING WELL ID: MW-13 | SAMPLE ID: MW13-ROX-070925

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): 35.05 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 28.83 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 31.94 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): 6.22 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	1132	28.86	cloudy	moderate	22.42	1.306	1.171 mS/cm uS/cm	6.53	-81.40	14.88
300	1133	28.86	↓	↓	22.37	1.303	1.172 mS/cm uS/cm	6.53	-81.58	14.98
600	1134	28.86	↓	↓	22.27	1.277	1.172 mS/cm uS/cm	6.53	-82.32	13.09
900	1135	↓	↓	↓	22.21	1.25	1.173 mS/cm uS/cm	6.53	-83.10	11.36
1200	1136				22.13	1.228	1.173 mS/cm uS/cm	6.54	-83.83	9.733
							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			

070925

Start Time: 1132 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 5109/219247

Stop Time: 1136 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 | Sample Time: 1140 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials:

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: mmassa JMayer

DATE: 7/10/25 WEATHER: partly cloudy 79°

MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-071025

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.42 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.42 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 33.07 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.42 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 206.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.35 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	0936	33.09	clear	slight HC	20.5	1.29	1.297	mS/cm uS/cm	6.54	12.96	51.0
300	0937	33.09			22.9	1.20	1.290	mS/cm uS/cm	6.55	3.47	47.8
600	0938	33.09			22.2	1.14	1.284	mS/cm uS/cm	6.55	-5.49	43.7
900	0939				22.0	1.03	1.278	mS/cm uS/cm	6.56	-12.04	40.3
1200	0940				22.0	1.03	1.275	mS/cm uS/cm	6.56	-17.90	38.5
1500	0941				22.2	0.99	1.269	mS/cm uS/cm	6.56	-22.71	36.1
1800	0942				22.5	0.95	1.264	mS/cm uS/cm	6.56	-27.26	33.3
								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			

mm 7/10/25

Start Time: 0936 (M) Elapsed Time (min): 6 Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 0942 Average Purge Rate (mL/min): 300 Date Calibrated: 7/10/25

SAMPLING DATA

Sample Date: 7/10/25 Sample Time: 0945 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 (Y) Initials: mm

COMMENTS:

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

Estimated Total Purge Volume: 1800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/7/25 | WEATHER: 82° Sunny

MONITORING WELL ID: MW-16 | SAMPLE ID: MW16-ROX-070725-(MS/MSD)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 47.75 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 44.00 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): 37.50 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): 3.75 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): 45.00 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	1101	44.08	clear	none	22.45	0.928	0.938 mS/cm uS/cm	6.83	-126.37	0.137
300	1102	44.08	↓	↓	22.43	0.919	0.938 mS/cm uS/cm	6.83	-126.44	0.368
600	1103	44.08	↓	↓	22.73	0.890	0.928 mS/cm uS/cm	6.83	-126.66	0.809
900	1104	↓	↓	↓	22.77	0.867	0.930 mS/cm uS/cm	6.82	-126.91	0
1200	1105	↓	↓	↓	22.82	0.848	0.927 mS/cm uS/cm	6.82	-127.13	0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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SMSM 070725

Start Time: 1101 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS - 50109/219247

Stop Time: 1105 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 | Sample Time: 1110 | 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: SMSM

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 7/15/25 WEATHER: 82° Cloudy

MONITORING WELL ID: MW-22 SAMPLE ID: MW22-ROX-071525

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): 48.48 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 45.53 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.23 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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 5.90 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	1327	42.83	clear	slight	21.16	0.986	1.031 mS/cm uS/cm	6.64	-93.88	18.61
300	1328	42.83	↓	↓	21.13	0.944	1.034 mS/cm uS/cm	6.64	-97.76	11.06
600	1329	42.83	↓	↓	21.27	0.890	1.036 mS/cm uS/cm	6.64	-99.78	9.782
900	1330	↓	↓	↓	21.33	0.854	1.037 mS/cm uS/cm	6.64	-101.19	12.82
1200	1331	↓	↓	↓	21.46	0.819	1.039 mS/cm uS/cm	6.65	-102.86	13.97
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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071525

Start Time: 1327 Elapsed Time (min): 4 mins Water Quality Meter ID & SN: YSI ProDSS - 50109/219247

Stop Time: 1331 Average Purge Rate (mL/min): 300 Date Calibrated: 7/15/25

SAMPLING DATA

Sample Date: 7/15/25 Sample Time: 1335 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials:

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/8/25 | WEATHER: Sunny 82°F

MONITORING WELL ID: MW-23 | SAMPLE ID: MW23-Rox-070825

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): 39.27 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 30.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 34.93 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): 8.69 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	0918	30.58	clear	slight	20.8	1.42	0.879 mS/cm uS/cm	6.31	-33.0	17.15
2400	0926	30.57	↓	↓	21.2	0.91	0.865 mS/cm uS/cm	6.42	-95.8	9.52
2700	0927	30.57			21.1	0.38	0.865 mS/cm uS/cm	6.42	-97.5	9.69
3000	0928	30.57			21.2	0.35	0.865 mS/cm uS/cm	6.43	-99.3	9.34
3300	0929	30.57			21.2	0.34	0.865 mS/cm uS/cm	6.43	-100.7	8.56
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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TJ 7/8/25

Start Time: 0918 | Elapsed Time (min): 11 | Water Quality Meter ID & SN: YSI ProDSS - 21804621O765

Stop Time: 0929 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 | Sample Time: 0930 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, T. Jenkins

DATE: 7/15/25 | WEATHER: 82° Cloudy

MONITORING WELL ID: MW-24 | SAMPLE ID: MW24-ROX-071525

INITIAL DATA

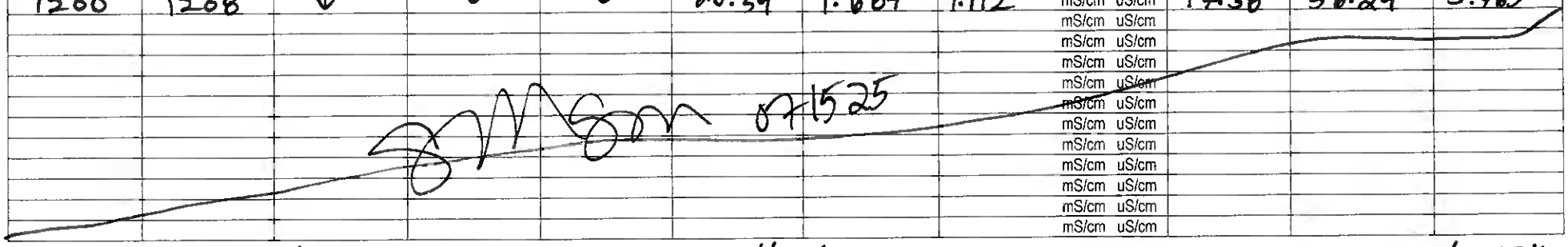
Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 49.86 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 43.58 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.72 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): 6.28 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

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	1204	43.62	Cloudy	NONE	20.61	1.756	1.113 mS/cm uS/cm	7.38	56.46	8.142
300	1205	43.62	↓	↓	20.59	1.722	1.113 mS/cm uS/cm	17.38	56.27	7.700
600	1206	43.62	↓	↓	20.59	1.690	1.113 mS/cm uS/cm	17.38	56.19	6.888
900	1207	↓	↓	↓	20.53	1.690	1.112 mS/cm uS/cm	17.38	56.35	6.471
1200	1208	↓	↓	↓	20.59	1.684	1.112 mS/cm uS/cm	17.38	56.24	5.465
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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Start Time: 1204 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1208 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/15/25

SAMPLING DATA

Sample Date: 7/15/25 | Sample Time: 1215 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

COMMENTS:

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

* PH suspect*. Per PM Recorded via paper *

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: MMassa Tower

DATE: 7/15/25 WEATHER: partly cloudy 79°

MONITORING WELL ID: MW-25 SAMPLE ID: MW25-POX-071525

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 45.84 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 41.86 ft btoc
Depth to Water (btoc): 37.87 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
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): 35.59 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	Volume of Flow Through Cell : 320* mL
Water Column Height (not including NAPL): 7.97 ft	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
	Ambient PID/FID Reading: 0.0 ppm
	Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0855	37.89	cloudy	strong HC	39.47	1.20	1.014 mS/cm uS/cm	6.31	-65.03	65.06
1800	0901	37.89			46.46	0.39	1.095 mS/cm uS/cm	6.35	-109.97	38.11
2100	0902	37.89			46.33	0.35	1.101 mS/cm uS/cm	6.26	-112.21	33.39
2400	0903	37.89			46.44	0.32	1.094 mS/cm uS/cm	6.27	-113.81	29.47
2700	0904	↓	↓	↓	46.82	0.30	1.090 mS/cm uS/cm	6.26	-114.22	18.46
							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			

7/15/25

Start Time: 0855 Elapsed Time (min): 9 Water Quality Meter ID & SN: YSI ProDSS -- 21804L / 21D765

Stop Time: 0904 Average Purge Rate (mL/min): 300 Date Calibrated: 7/15/25

SAMPLING DATA

Sample Date: 7/15/25 Sample Time: 0920 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 (Y) Initials: M

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: S.McLean, M.Massa

DATE: 7/8/25 WEATHER: 88° Sunny

MONITORING WELL ID: MW-26 SAMPLE ID: MW26-ROX-070825

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): 48.40 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 40.97 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 44.68 ft btoc	Ambient PID/FID Reading: 0.0 ppm	
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	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 7.43 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1141	41.02	clear	none	21.32	0.988	0.730 mS/cm uS/cm	6.74	110.74	2.115
300	1142	41.02			21.29	0.979	0.731 mS/cm uS/cm	6.74	110.40	2.088
600	1143	41.02			21.22	0.965	0.729 mS/cm uS/cm	6.75	109.82	2.239
900	1144	↓	↓	↓	21.16	0.958	0.724 mS/cm uS/cm	6.75	109.16	2.601
1200	1145				21.24	0.951	0.722 mS/cm uS/cm	6.75	108.56	3.109
							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			

070825

Start Time: 1141 Elapsed Time (min): 4mins Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 1145 Average Purge Rate (mL/min): 300 Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1150 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace? Y Initials:

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/7/25 WEATHER: 82°F, Cloudy

MONITORING WELL ID: MW-27 SAMPLE ID: MW27-Rox - 070725

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): 50.04 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 46.20 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): 7.69 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	1337	43.12	clear	slight	21.37	5.48	0.848	mS/cm uS/cm	7.14	106.25	25.19
600	1339	43.47	↓	↓	20.59	4.79	0.812	mS/cm uS/cm	6.94	104.96	17.23
900	1340	43.47			21.44	4.71	0.801	mS/cm uS/cm	6.92	104.65	17.36
1200	1341	43.47			21.90	4.63	0.805	mS/cm uS/cm	6.90	104.06	15.86
1500	1342	43.48			22.47	4.51	0.810	mS/cm uS/cm	6.88	103.48	13.48
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TD 7/7/25			mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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								mS/cm uS/cm			

Start Time: 1337 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS -- 21804612107765

Stop Time: 1342 Average Purge Rate (mL/min): 300 Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1345 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: TJ

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/17/25 WEATHER: Cloudy, 82°F

MONITORING WELL ID: MW-28 SAMPLE ID: MW28-Rox-070725

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): 41.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.83 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: 0.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 2.06 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	1232	41.88	Cloudy	Slight	21.48	2.54	2.044 mS/cm uS/cm	6.94	-27.21	155.17
5700 2.06*	1251	41.90	↓	↓	19.87	19.87	0.387 mS/cm uS/cm	6.74	-103.17	48.96
6000	1252	41.90			20.05	20.05	0.360 mS/cm uS/cm	6.74	-104.06	31.32
6300	1253	41.90			20.03	20.03	0.345 mS/cm uS/cm	6.74	-104.63	28.17
6600	1254	41.90			19.81	19.81	0.332 mS/cm uS/cm	6.74	-105.05	28.42
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/17/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1232 Elapsed Time (min): 22 Water Quality Meter ID & SN: YSI ProDSS -- 21804612107 65

Stop Time: 1254 Average Purge Rate (mL/min): 300 Date Calibrated: 7/7/25

SAMPLING DATA

Sample Date: 7/7/25 Sample Time: 1255 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 6,600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/8/25 | WEATHER: 81° Sunny

MONITORING WELL ID: P-54 | SAMPLE ID: P54-ROX-070825

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): 63.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.35 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): 38.00 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 47.35 ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 25 ft			
Water Column Height (not including NAPL): 20.65 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		

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	0928	42.37	clear	none	20.52	5.335	1.045 mS/cm uS/cm	6.70	125.47	0
300	0929	42.37	↓	↓	20.62	5.287	1.043 mS/cm uS/cm	6.70	125.49	0
600	0930	42.37	↓	↓	20.67	5.245	1.043 mS/cm uS/cm	6.70	125.54	0
900	0931	↓	↓	↓	20.68	5.205	1.044 mS/cm uS/cm	↓	125.60	0
1200	0932	↓	↓	↓	20.61	5.183	1.043 mS/cm uS/cm	↓	125.67	0
							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			

S.M. 070825

Start Time: 0928 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 50109/219247

Stop Time: 0932 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 | 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: N/A

VOA Vials, No Headspace ☑ | Initials: S.M.

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/14/25 | WEATHER: Cloudy, 79 °F

MONITORING WELL ID: P-55R | SAMPLE ID: NA

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: NA 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): 41.51 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: NA ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 41.25 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: 133.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.17 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

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			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

TJ 7/14/25

	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: NA | Elapsed Time (min): NA | Water Quality Meter ID & SN: YSI ProDSS -- NA

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

SAMPLING DATA

Sample Date: NA | Sample Time: NA | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL LNAPL Height of 0.26 is Present

Estimated Total Purge Volume: NA mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones Travis Jenkins

DATE: 7/10/25 WEATHER: Sunny 83°F

MONITORING WELL ID: P56 SAMPLE ID: P56-Rox-07025, P56-Rox-07025-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): 65.82 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 46.85 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): 51.85 ft btoc	Wellbore PID/FID Reading: 92.1 ppm	
Screen Length: 25 ft			
Water Column Height (not including NAPL): 18.97 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	46.83	clear	moderate	22.90	1.85	1.312 mS/cm uS/cm	6.90	-63.58	6.93
1200	1017	46.83	↓	↓	22.45	0.64	1.286 mS/cm uS/cm	6.95	-102.78	4.58
1500	1018	46.83			22.36	0.57	1.282 mS/cm uS/cm	6.96	-106.40	4.26
1800	1019	46.83			22.47	0.51	1.278 mS/cm uS/cm	6.96	-110.61	4.14
2100	1020	46.83			22.65	0.46	1.275 mS/cm uS/cm	6.97	-114.37	4.77
~~2400~~ TJ							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/10/25		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: 1013 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

Stop Time: 1020 Average Purge Rate (mL/min): 300 Date Calibrated: 7/10/25

SAMPLING DATA

Sample Date: 7/10/25 Sample Time: 1025 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/10/25 | WEATHER: Sunny 83°F

MONITORING WELL ID: P-57 | SAMPLE ID: P57-Rox-071025

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): 54.19 ft	
Depth to Water (btoc): 46.98 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 50.59 ft btoc
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
Screen Length: 10 ft	
Water Column Height (not including NAPL): 7.21 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor	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	1121	47.57	clear	moderate	21.97	2.14	0.947 mS/cm uS/cm	6.69	-76.01	7.51
1800	1127	47.65	↓	↓	22.16	0.62	0.929 mS/cm uS/cm	6.55	-100.12	1.38
2100	1128	47.65			22.71	0.55	0.926 mS/cm uS/cm	6.54	-101.96	0.74
2400	1129	47.62			22.79	0.49	0.931 mS/cm uS/cm	6.54	-103.86	0.00
2700	1130	47.60			22.84	0.48	0.929 mS/cm uS/cm	6.54	-104.07	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

~~10~~
7/10/25

Start Time: 1121 | Elapsed Time (min): 9 | Water Quality Meter ID & SN: YSI ProDSS -- 21804621 0765

Stop Time: 1130 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/10/25

SAMPLING DATA

Sample Date: 7/10/25 | 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 ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/14/25 | WEATHER: cloudy, 76°F

MONITORING WELL ID: P-58 | SAMPLE ID: P58-Rox-07/425, P58-Rox-07/425-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): 65.21 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 44.52 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 49.52 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): 40.21 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): 20.69 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	0946	44.75	clear	moderate	28.54	2.64	1.366	mS/cm uS/cm	6.40	62.53	0.00
2100	0953	44.80	↓	↓	31.63	0.44	1.505	mS/cm uS/cm	6.50	-106.64	0.00
2400	0954	44.80			32.01	0.39	1.505	mS/cm uS/cm	6.51	-110.29	0.00
2700	0955	44.80			31.84	0.35	1.504	mS/cm uS/cm	6.51	-113.06	0.00
3000	0956	44.80			31.77	0.33	1.503	mS/cm uS/cm	6.52	-114.37	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TD 7/14/25			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: 0946 | Elapsed Time (min): 10 | Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

Stop Time: 0956 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/14/25

SAMPLING DATA

Sample Date: 7/14/25 | Sample Time: 10:00 | 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: MMassa TJenkins

DATE: 7/11/25 WEATHER: partly cloudy 81°

MONITORING WELL ID: P-59 SAMPLE ID: P59-ROX-071125

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): 48.00 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): 53.00 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.91 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	0935	48.03	clear	Mod. HC	24.9	0.30	1.548 mS/cm uS/cm	6.68	-109.17	0.0
300	0936	48.03	↓	↓	24.8	0.28	1.540 mS/cm uS/cm	6.69	-111.69	0.4
600	0937	48.03	↓	↓	25.0	0.26	1.529 mS/cm uS/cm	6.69	-114.19	2.9
900	0938	↓	↓	↓	25.0	0.25	1.523 mS/cm uS/cm	6.69	-115.96	2.4
1200	0939	↓	↓	↓	25.0	0.23	1.520 mS/cm uS/cm	6.69	-117.89	2.5
							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			

7/11/25

Start Time: 0935 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 21B046/210765

Stop Time: 0939 Average Purge Rate (mL/min): 300 Date Calibrated: 7/11/25

SAMPLING DATA

Sample Date: 7/11/25 Sample Time: 0945 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace (Y) Initials: MM

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: MMazza JMayer

DATE: 7/10/25 WEATHER: partly cloudy 82°

MONITORING WELL ID: P-66 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): 59.72 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 36.07 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): 36.04 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Depth to Top of Screen (btoc): 34.72 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
Screen Length: 25 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		
Water Column Height (not including NAPL): 23.65 ft			

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

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

7/10/25

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/14/25 | WEATHER: cloudy 79°F

MONITORING WELL ID: P-68 | SAMPLE ID: NA

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): 46.24 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): 46.15 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: 273.3 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 22.52 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			
					TD 7/14/25		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: NA | Elapsed Time (min): NA | Water Quality Meter ID & SN: YSI ProDSS -- NA

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

SAMPLING DATA

Sample Date: NA | Sample Time: NA | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL ~~LNAPL of 0.09' thickness~~ LNAPL Height of 0.09 is present

Estimated Total Purge Volume: NA mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: MMassa TJenkins TJones

DATE: 7/11/25 | WEATHER: clear 88°

MONITORING WELL ID: P-74 | SAMPLE ID: P74-ROX-071125

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): 44.20 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): NE 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): 49.20 ft btoc	Wellbore PID/FID Reading: 48.2 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.63 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	1154	44.58	clear	Mod. HC	22.5	0.53	0.820 mS/cm uS/cm	6.52	-83.20	3.22
300	1155	44.58	↓	↓	22.7	0.47	0.817 mS/cm uS/cm	6.52	-84.54	2.92
600	1156	44.58	↓	↓	22.7	0.43	0.817 mS/cm uS/cm	6.51	-85.64	3.26
900	1157	↓	↓	↓	22.9	0.38	0.819 mS/cm uS/cm	6.50	-86.86	3.30
1200	1158	↓	↓	↓	22.8	0.35	0.820 mS/cm uS/cm	6.50	-87.65	3.20
							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			

7/11/25

Start Time: 1154 | Elapsed Time (min): 4 | Water Quality Meter ID & SN: YSI ProDSS -- 21804G/810765

Stop Time: 1158 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/11/25

SAMPLING DATA

Sample Date: 7-11-25 | Sample Time: 1205 | 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: MM

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/11/25 WEATHER: 86°F Sunny

MONITORING WELL ID: P-93A SAMPLE ID: P93A-Rox-071125

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): 53.07 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 45.03 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 49.05 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
Water Column Height (not including NAPL): 8.04 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	12:57	45.28	clear	slight	40.65	6.47	0.003 mS/cm uS/cm	6.72	114.00	25.49
1200 ~~700~~ TS	13:01	45.20	↓	↓	25.91	0.72	1.199 mS/cm uS/cm	6.64	-92.15	0.00
1500 ~~1200~~ TS	13:02	45.18			25.93	0.69	1.200 mS/cm uS/cm	6.64	-92.95	0.00
1800 ~~1500~~ TS	13:03	45.15			26.05	0.61	1.203 mS/cm uS/cm	6.64	-96.13	0.00
2100 ~~1800~~ TS	13:04	45.15			25.97	0.54	1.205 mS/cm uS/cm	6.64	-98.66	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

TS 7/11/25

Start Time: 1257 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

Stop Time: 1304 Average Purge Rate (mL/min): 300* Date Calibrated: 7/11/25

SAMPLING DATA

Sample Date: 7/11/25 Sample Time: 1305 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: TS, TS

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/14/25 | WEATHER: Cloudy, 79 °F

MONITORING WELL ID: P-93B | SAMPLE ID: P93B-Rox-071425

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): 46.47 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 (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 191.8 ppm
Screen Length: 2 ft		
Water Column Height (not including NAPL): 30.31 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: 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	1122	46.50	~~22.22~~ clear	moderate	22.22	1.35	1.346	mS/cm uS/cm	6.79	-6.25	0.00
900	1125	46.50	↓	↓	22.33	0.49	0.494	mS/cm uS/cm	6.69	-57.03	0.00
1200	1126	46.50			22.39	0.38	0.385	mS/cm uS/cm	6.68	-66.47	0.00
1500	1127	46.49			22.38	0.33	0.326	mS/cm uS/cm	6.68	-73.20	0.00
1800	1128	46.49			22.40	0.28	0.283	mS/cm uS/cm	6.68	-78.25	0.00
2100	1129	46.49			22.40	0.25	0.246	mS/cm uS/cm	6.69	-83.14	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TJ			mS/cm uS/cm			
					7/14/25			mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

Start Time: 1122 | Elapsed Time (min): 7 | Water Quality Meter ID & SN: YSI ProDSS -- 21804621765

Stop Time: 1129 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/14/25

SAMPLING DATA

Sample Date: 7/14/25 | 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 ☒ Initials: TJ, TS

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/10/25 | WEATHER: Sunny, 83 °F

MONITORING WELL ID: P-93C | SAMPLE ID: P93C-Rox-07l025, P93C-Rox-07H025-Dup

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 95.38 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): 46.20 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): 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: 5 ft		
Water Column Height (not including NAPL): 51.68 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	1351	46.28	clear	moderate	~~23.3~~ 23.77	2.29	0.845 mS/cm uS/cm	7.12	-68.21	40.67
1500	1356	46.28	↓	↓	25.60	0.73	0.845 mS/cm uS/cm	7.00	-107.05	27.83
1800	1357	46.28			25.81	0.65	0.848 mS/cm uS/cm	7.00	-109.70	30.72
2100	1358	46.28			25.57	0.60	0.853 mS/cm uS/cm	7.00	-112.07	19.62
2400	1359	46.28			25.77	0.58	0.850 mS/cm uS/cm	7.00	-113.39	15.89
							~~mS/cm~~ ~~uS/cm~~			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							~~mS/cm~~ ~~uS/cm~~			
					TD 7/10/25		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: 1351 | Elapsed Time (min): 8 | Water Quality Meter ID & SN: YSI ProDSS -21804612107765

Stop Time: 1359 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/10/25

SAMPLING DATA

Sample Date: 7/10/25 | Sample Time: 1405 | 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: TJ, TJ

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/10/25 WEATHER: Sunny, 83 °F

MONITORING WELL ID: P-93D SAMPLE ID: P93D-Rox - 071025

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): 46.50 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): 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): 81.41 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 126.66 ft btoc	

PURGE DATA

Pump Type: Dedicated Well Wizard

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (STABLE: Monitor Temp.)	DO (mg/L) (STABLE: +/-0.2 mg/L or +/-10%)	Spec. Cond. (STABLE: +/-5% or +/-2 uS/cm)	pH (STABLE: +/-0.2 mg/L)	ORP (mV) (STABLE: +/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1246	46.55	clear	slight	24.12	0.61	1.017 mS/cm uS/cm	7.04	-104.82	4.71
300	1247	46.55	↓	↓	24.09	0.59	1.017 mS/cm uS/cm	7.04	-106.92	4.81
600	1248	46.55			23.86	0.54	1.017 mS/cm uS/cm	7.03	-108.27	5.54
900	1249	46.55			23.87	0.48	1.017 mS/cm uS/cm	7.02	-109.58	5.59
1200 ~~1205~~	1250	46.55			23.87	0.44	1.019 mS/cm uS/cm	7.01	-110.75	6.21
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
					TJ		mS/cm uS/cm			
					7/10/25		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1246 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

Stop Time: 1250 Average Purge Rate (mL/min): 300 Date Calibrated: 7/10/25

SAMPLING DATA

Sample Date: 7/10/25 Sample Time: 1300 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

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 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: S. McLean, M. Massa

DATE: 7/9/25 | WEATHER: 92° Partly Cloudy

MONITORING WELL ID: P-114R | SAMPLE ID: P114R-ROX-070925

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): 33.31 ft	
Depth to Water (btoc): 27.72 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 30.51 ft btoc
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
Screen Length: 10 ft	
Water Column Height (not including NAPL): 5.59 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

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

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1233	27.82	cloudy	Strong	23.30	0.875	0.980 mS/cm uS/cm	6.56	-103.95	27.28
300	1234	27.82	↓	↓	23.34	0.864	0.978 mS/cm uS/cm	6.56	-104.73	26.20
600	1235	27.82			23.39	0.842	0.975 mS/cm uS/cm	6.56	-106.35	23.57
900	1236	↓			23.34	0.814	0.971 mS/cm uS/cm	6.57	-108.74	20.34
1200	1237				23.55	0.785	0.965 mS/cm uS/cm	6.57	-111.07	16.75
							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			

070925

Start Time: 1233 | Elapsed Time (min): 4 mins | Water Quality Meter ID & SN: YSI ProDSS -- 50109219247

Stop Time: 1237 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 | Sample Time: 1240 | Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☑ Initials:

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 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/8/25 WEATHER: cloudy, 82°F

MONITORING WELL ID: ROST-3-MW SAMPLE ID: Rost 3MW-Rox-07025

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):	48.06 ft		
Depth to Water (btoc):	42.53 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT:	45.31 ft btoc
Depth to LNAPL/DNAPL (btoc):	NE ft		
Depth to Top of Screen (btoc):	37.81 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER):	ft btoc
Screen Length:	10 ft	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):	5.51 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

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	1318	42.70	clear	slight	22.2	1.58	0.90	mS/cm uS/cm	6.77	-69.9	1.71
1200	1322	42.70	↓	↓	21.1	0.57	0.896	mS/cm uS/cm	6.76	-95.8	0.06
1500	1323	42.70			21.0	0.51	0.894	mS/cm uS/cm	6.76	-98.3	0.00
1800	1324	42.70			21.1	0.47	0.893	mS/cm uS/cm	6.77	-100.3	0.00
2100	1325	42.70			21.0	0.43	0.896	mS/cm uS/cm	6.77	-102.4	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					TJ			mS/cm uS/cm			
					7/8/25			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: 1318 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 21804621076 5

Stop Time: 1325 Average Purge Rate (mL/min): 300 Date Calibrated: 7/8/25

SAMPLING DATA

Sample Date: 7/8/25 Sample Time: 1330 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/9/25 | WEATHER: Sunny, 74 °F

MONITORING WELL ID: ROST-4-PZ(C) | SAMPLE ID: Rost4PZC-Rox-070925, Rost4PZC-Rox-070925-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): 45.20 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.50 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): 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): 2.7 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): 43.50 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	1029	43.00	Clear	Slight	21.54	2.31	1.463	mS/cm uS/cm	7.03	-115.02	20.02
900	1032	43.00			20.82	1.05	1.416	mS/cm uS/cm	6.71	-113.57	0.00
1200	1033	43.00			20.91	0.84	1.408	mS/cm uS/cm	6.73	-116.91	0.00
1500	1034	43.00			20.90	0.71	1.407	mS/cm uS/cm	6.75	-119.62	0.00
1800	1035				20.88 91	0.60	1.403	mS/cm uS/cm	6.77	-122.00	0.00
2100	1036				20.88	0.53	1.403	mS/cm uS/cm	6.78	-123.51	0.00
2400	1037				20.80	0.48	1.402	mS/cm uS/cm	6.79	-124.77	0.00
2700	1038				20.79	0.44	1.402	mS/cm uS/cm	6.80	-126.08	0.00
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

TS 7/9/25

Start Time: 1029 | Elapsed Time (min): 9 | Water Quality Meter ID & SN: YSI ProDSS -- 21804610765

Stop Time: 1038 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 | Sample Time: 1040 | 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: TS, TS

COMMENTS:

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

Estimated Total Purge Volume: 2700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW | PROJECT NUMBER: 60738191 - 3.3.1/2/3 | FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/9/25 | WEATHER: Cloudy, 71°F

MONITORING WELL ID: ROST-4-PZ(E) | SAMPLE ID: Rost4PZE-Rox-070925

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): 40.87 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.94 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE 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): 4.13 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	0905	42.40	clear	slight	20.8	5.25	1.446	mS/cm uS/cm	6.607	180.58	2.28
600	0907	42.40	↓	↓	20.8	5.18	1.474	mS/cm uS/cm	6.68	177.37	8.42
900	0908	42.40			20.7	5.16	1.475	mS/cm uS/cm	6.68	176.06	19.04
1200	0909	42.40			20.9	5.11	1.468	mS/cm uS/cm	6.69	173.09	10.19
1500	0910	42.40			20.7	5.06	1.472	mS/cm uS/cm	6.70	170.42	4.95
								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			

TJ 7/09/25

Start Time: 0905 | Elapsed Time (min): 5 | Water Quality Meter ID & SN: YSI ProDSS -- 21804621O765

Stop Time: 0910 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 | Sample Time: 0915 | 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: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: Tony Jones, Travis Jenkins

DATE: 7/9/25 WEATHER: Cloudy, 74°F

MONITORING WELL ID: ROST-4-PZ(G) SAMPLE ID: Rost4PZG-Rox-070925

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 44.53 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 42.80 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 34.28 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 1.73 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): 43.80 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	1220	42.83	cloudy	moderate	22.4	2.24	1.392 mS/cm uS/cm	6.94	-127.3	71.02
4200	1234	42.85	↓	↓	21.8	0.41	1.321 mS/cm uS/cm	6.78	-149.7	2.60
4500	1235	42.85			21.8	0.37	1.319 mS/cm uS/cm	6.78	-150.1	0.86
4800	1236	42.85			22.0	0.34	1.320 mS/cm uS/cm	6.77	-150.7	0.00
5100	1237	42.85			22.0	0.31	1.320 mS/cm uS/cm	6.77	-151.3	0.00
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

TJ 7/9/25

Start Time: 1220 Elapsed Time (min): 17 Water Quality Meter ID & SN: YSI ProDSS - 21804621O765

Stop Time: 1237 Average Purge Rate (mL/min): 300 Date Calibrated: 7/9/25

SAMPLING DATA

Sample Date: 7/9/25 Sample Time: 1240 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: TJ, TJ

COMMENTS:

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

Estimated Total Purge Volume: 5100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 3Q25 GW PROJECT NUMBER: 60738191 - 3.3.1/2/3 FIELD PERSONNEL: MMassa TJenkins

DATE: 7/11/25 WEATHER: clear 87°

MONITORING WELL ID: T-12 SAMPLE ID: T12-ROX-071125

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): 46.20 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): 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: 2.8 ppm	
Screen Length: 26 ft			
Water Column Height (not including NAPL): 26.63 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	1040	46.28	Clear	Slight HC	23.7	0.34	1.213 mS/cm uS/cm	6.73	-137.13	12.7
300	1041	46.28	↓	↓	23.8	0.31	1.213 mS/cm uS/cm	6.72	-137.96	18.1
600	1042	46.28	↓	↓	23.6	0.29	1.215 mS/cm uS/cm	6.73	-138.38	21.2
900	1043	↓	↓	↓	23.6	0.28	1.207 mS/cm uS/cm	6.73	-138.91	10.6
1200	1044		↓	↓	24.1	0.26	1.213 mS/cm uS/cm	6.72	-139.65	12.1
							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			

7/11/25

Start Time: 1040 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 21804G/210765

Stop Time: 1044 Average Purge Rate (mL/min): 300 Date Calibrated: 7/11/25

SAMPLING DATA

Sample Date: 7/11/25 Sample Time: 1050 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: MM

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/Validation Forms and Laboratory Analytical Reports

Laboratory Report Reviewed: 400-278794-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/27/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW12-ROX-070725	SVOCs	Phenol-d_5	6	10-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW16-ROX-070725 MS/MSD	VOCs	Acetone	**41/42**	0	43-150/30
MW16-ROX-070725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	10/**0**	NC	10-150/50
MW10-ROX-070725 MS/MSD	VOCs	Acetone	43/**42**	1	43-150/30
MW10-ROX-070725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
MW16-ROX-070725 MS/MSD	SVOCs	Phenol	**151/155**	3	50-150/40
MW16-ROX-070725 MS/MSD	SVOCs	Pyridine	**195/199**	2	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	3 & 4 Methylphenol	146/**156**	6	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	Phenol	**159/157**	1	50-150/40
MW10-ROX-070725 MS/MSD	SVOCs	Pyridine	**192/199**	3	50-150/40
MW10-ROX-070725 MS/MSD	PAHs	Pyrene	127/**160**	23	50-150/40

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

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-070725	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW16-ROX-070725	VOCs	Acetone	**UJ**
MW10-ROX-070725	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW10-ROX-070725	VOCs	Acetone	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715402/2-A	PAHs	Pyrene	**130**	NA	30-126
LCS 400-715402/2-A	SVOCs	Phenol	**152**	NA	10-150

LCS 400-715402/2-A	SVOCs	Pyridine	**187**	NA	10-150

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.		X		The laboratory report was revised on May 19, 2025, to correct sample identifications.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-070725	VOCs	Acrylonitrile	UJ
MW11-ROX-070725	VOCs	Bromoform	UJ
MW11-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW11-ROX-070725	VOCs	Chloroethane	UJ
MW11-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW11-ROX-070725	VOCs	Acrolein	UJ
MW11-ROX-070725	VOCs	Vinyl acetate	UJ
MW12-ROX-070725	VOCs	Acrylonitrile	UJ
MW12-ROX-070725	VOCs	Bromoform	UJ
MW12-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW12-ROX-070725	VOCs	Chloroethane	UJ
MW12-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW12-ROX-070725	VOCs	Acrolein	UJ
MW12-ROX-070725	VOCs	Vinyl acetate	UJ
MW9-ROX-070725	VOCs	Acrylonitrile	UJ
MW9-ROX-070725	VOCs	Bromoform	UJ
MW9-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW9-ROX-070725	VOCs	Chloroethane	UJ
MW9-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW9-ROX-070725	VOCs	Acrolein	UJ
MW9-ROX-070725	VOCs	Vinyl acetate	UJ
MW28-ROX-070725	VOCs	Acrylonitrile	UJ
MW28-ROX-070725	VOCs	Bromoform	UJ
MW28-ROX-070725	VOCs	Hexachlorobutadiene	UJ
MW28-ROX-070725	VOCs	Chloroethane	UJ
MW28-ROX-070725	VOCs	Trichlorofluoromethane	UJ
MW28-ROX-070725	VOCs	Acrolein	UJ
MW28-ROX-070725	VOCs	Vinyl acetate	UJ
MW16-ROX-070725	VOCs	Acrylonitrile	UJ
MW16-ROX-070725	VOCs	Dibromochloromethane	UJ
MW16-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW16-ROX-070725	VOCs	Bromoform	UJ
MW16-ROX-070725	VOCs	Chloroethane	UJ
MW16-ROX-070725	VOCs	Acrolein	UJ
MW10-ROX-070725	VOCs	Acrylonitrile	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

MW10-ROX-070725	VOCs	Dibromochloromethane	UJ
MW10-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW10-ROX-070725	VOCs	Bromoform	UJ
MW10-ROX-070725	VOCs	Chloroethane	UJ
MW10-ROX-070725	VOCs	Acrolein	UJ
MW27-ROX-070725	VOCs	Acrylonitrile	UJ
MW27-ROX-070725	VOCs	Dibromochloromethane	UJ
MW27-ROX-070725	VOCs	1,1,1,2-Tetrachloroethane	UJ
MW27-ROX-070725	VOCs	Bromoform	UJ
MW27-ROX-070725	VOCs	Chloroethane	UJ
MW27-ROX-070725	VOCs	Acrolein	UJ

Method 8270E (SVOCs)

The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-070725	SVOCs	Pyridine	UJ
MW16-ROX-070725	SVOCs	Pyridine	UJ
MW12-ROX-070725	SVOCs	Pyridine	UJ
MW9-ROX-070725	SVOCs	Pyridine	UJ
MW10-ROX-070725	SVOCs	Pyridine	UJ
MW28-ROX-070725	SVOCs	Pyridine	UJ
MW27-ROX-070725	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 11:15:21 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278794-1

Reviewed 8/27/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
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Job Narrative
400-278794-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision
Report revised to correct sample IDs. Supersedes report dated 7-22-2025.

Receipt
The samples were received on 7/8/2025 9:18 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 2.5°C and 3.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715694 recovered outside acceptance criteria, low biased, for Acrolein, Acrylonitrile, Bromoform, Chloroethane, Chloromethane, Dibromochloromethane, Hexachlorobutadiene, Trichlorofluoromethane and Vinyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: 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-070725-8260-A (400-278794-1), MW11-ROX-070725-EB (400-278794-3), MW11-ROX-070725 (400-278794-4), MW12-ROX-070725 (400-278794-6), TB-ROX-070725-8260-B (400-278794-7), MW9-ROX-070725-EB (400-278794-9), MW9-ROX-070725 (400-278794-10) and MW28-ROX-070725 (400-278794-12). 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 8260D: The initial calibration verification (ICV) analyzed in batch 400-713963 was outside method criteria for the following analyte(s): Chloroethane and Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715867 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715867 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715867 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715867 recovered outside acceptance criteria, low biased, for 1,1,1,2-Tetrachloroethane, Acrolein, Acrylonitrile, Bromoform, Dibromochloromethane and Chloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: 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: MW16-ROX-070725 (400-278794-5), MW10-ROX-070725 (400-278794-11) and MW27-ROX-070725 (400-278794-13). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

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

GC/MS Semi VOA

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715567 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample (LCS) for preparation batch 400-715402 and analytical batch 400-715567 recovered outside control limits for the following analytes: Pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The matrix spike duplicate (MSD) recoveries for preparation batch 400-715402 and analytical batch 400-715567 were outside control limits. Sample matrix interference is suspected.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715568 recovered above the upper control limit for 2,4-Dimethylphenol, 2-Methylphenol, 3 & 4 Methylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-715402 and analytical batch 400-715568 recovered outside control limits for the following analytes: Phenol and Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: 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: MW12-ROX-070725 (400-278794-6). These results have been reported and qualified.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-715402 and analytical batch 400-715568 were outside control limits. Sample matrix interference is suspected.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278794-1	TB-ROX-070725-8260-A	Water	07/07/25 00:00	07/08/25 09:18
400-278794-2	TB-ROX-070725-8260SIM-A	Water	07/07/25 00:00	07/08/25 09:18
400-278794-3	MW11-ROX-070725-EB	Water	07/07/25 08:10	07/08/25 09:18
400-278794-4	MW11-ROX-070725	Water	07/07/25 10:15	07/08/25 09:18
400-278794-5	MW16-ROX-070725	Water	07/07/25 11:10	07/08/25 09:18
400-278794-6	MW12-ROX-070725	Water	07/07/25 12:25	07/08/25 09:18
400-278794-7	TB-ROX-070725-8260-B	Water	07/07/25 00:00	07/08/25 09:18
400-278794-8	TB-ROX-070725-8260SIM-B	Water	07/07/25 00:00	07/08/25 09:18
400-278794-9	MW9-ROX-070725-EB	Water	07/07/25 08:00	07/08/25 09:18
400-278794-10	MW9-ROX-070725	Water	07/07/25 10:05	07/08/25 09:18
400-278794-11	MW10-ROX-070725	Water	07/07/25 11:15	07/08/25 09:18
400-278794-12	MW28-ROX-070725	Water	07/07/25 12:55	07/08/25 09:18
400-278794-13	MW27-ROX-070725	Water	07/07/25 13:45	07/08/25 09:18

Detection Summary

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070725-8260-A — Lab Sample ID: 400-278794-1

No Detections.

Client Sample ID: TB-ROX-070725-8260SIM-A — Lab Sample ID: 400-278794-2

No Detections.

Client Sample ID: MW11-ROX-070725-EB — Lab Sample ID: 400-278794-3

No Detections.

Client Sample ID: MW11-ROX-070725 — Lab Sample ID: 400-278794-4

No Detections.

Client Sample ID: MW16-ROX-070725 — Lab Sample ID: 400-278794-5

No Detections.

Client Sample ID: MW12-ROX-070725 — Lab Sample ID: 400-278794-6

No Detections.

Client Sample ID: TB-ROX-070725-8260-B — Lab Sample ID: 400-278794-7

No Detections.

Client Sample ID: TB-ROX-070725-8260SIM-B — Lab Sample ID: 400-278794-8

No Detections.

Client Sample ID: MW9-ROX-070725-EB — Lab Sample ID: 400-278794-9

No Detections.

Client Sample ID: MW9-ROX-070725 — Lab Sample ID: 400-278794-10

No Detections.

Client Sample ID: MW10-ROX-070725 — Lab Sample ID: 400-278794-11

No Detections.

Client Sample ID: MW28-ROX-070725 — Lab Sample ID: 400-278794-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.37	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW27-ROX-070725 — Lab Sample ID: 400-278794-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:36	1
Acrolein	ND		20	3.3	ug/L			07/11/25 14:36	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 14:36	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 14:36	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:36	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:36	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 14:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:36	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:36	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:36	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:36	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 14:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:36	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 14:36	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:36	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:36	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 14:36	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:36	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:36	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:36	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:36	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:36	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:36	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:36	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:36	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 14:36	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 14:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:36	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 14:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:36	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 14:36*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 14:36*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 14:36*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260SIM-A
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 20:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 20:02*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 20:02*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 20:02*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB

Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 20:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 20:25*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 20:25*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 20:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:58	1
Acrolein	ND		20	3.3	ug/L			07/11/25 14:58	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 14:58	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:58	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:58	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 14:58	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:58	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:58	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:58	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:58	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 14:58	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:58	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:58	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:58	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 14:58	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:58	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:58	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:58	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:58	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:58	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:58	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 14:58	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:58	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:58	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:58	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:58	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB

Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 14:58	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:58	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:58	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:58	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:58	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:58	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:58	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:58	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:58	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:58	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:58	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:58	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:58	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 14:58	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 14:58	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:58	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 14:58	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:58	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 14:58*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/11/25 14:58*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 14:58*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 18:22	1
Aniline	ND		9.8	0.73	ug/L		07/08/25 07:00	07/10/25 18:22	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzenethiol	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 18:22	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzoic acid	ND		98	79	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzyl alcohol	ND		34	30	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 18:22	1

Client Sample ID: MW11-ROX-070725-EB
Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 18:22	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 18:22	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:22	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/08/25 07:00	07/10/25 18:22	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 18:22	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/08/25 07:00	07/10/25 18:22	1
Fluoranthene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 18:22	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/08/25 07:00	07/10/25 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 18:22	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/08/25 07:00	07/10/25 18:22	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 18:22	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/08/25 07:00	07/10/25 18:22	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 18:22	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/08/25 07:00	07/10/25 18:22	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 18:22	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/08/25 07:00	07/10/25 18:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/08/25 07:00	07/10/25 18:22	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/08/25 07:00	07/10/25 18:22	1
Indene	ND		9.8	0.43	ug/L		07/08/25 07:00	07/10/25 18:22	1
Isophorone	ND		9.8	0.79	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Methylphenol	ND		9.8	0.75	ug/L		07/08/25 07:00	07/10/25 18:22	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/08/25 07:00	07/10/25 18:22	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/08/25 07:00	07/10/25 18:22	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 18:22	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/08/25 07:00	07/10/25 18:22	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/08/25 07:00	07/10/25 18:22	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/08/25 07:00	07/10/25 18:22	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725-EB
Date Collected: 07/07/25 08:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/08/25 07:00	07/10/25 18:22	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/08/25 07:00	07/10/25 18:22	1
Phenol	ND	*+	9.8	0.67	ug/L		07/08/25 07:00	07/10/25 18:22	1
Pyridine	ND	*+	9.8	3.0	ug/L		07/08/25 07:00	07/10/25 18:22	1
Quinoline	ND		9.8	0.49	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/08/25 07:00	07/10/25 18:22	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/08/25 07:00	07/10/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2-Fluorobiphenyl	*83*		*25 - 139*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Phenol-d5	*107*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:22*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725

Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 21:12*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 21:12*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 21:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 15:20	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 15:20	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 15:20	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 15:20	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 15:20	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 15:20	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 15:20	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 15:20	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 15:20	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 15:20	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 15:20	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 15:20	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 15:20	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 15:20	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 15:20	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 15:20	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 15:20	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 15:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 15:20	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 15:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 15:20	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 15:20	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 15:20	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 15:20	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 15:20	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 15:20	1

Client Sample ID: MW11-ROX-070725
Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 15:20	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 15:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 15:20	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 15:20	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:20	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 15:20	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 15:20	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 15:20	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 15:20	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 15:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 15:20	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:20	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 15:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 15:20	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 15:20	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 15:20	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 15:20	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 15:20	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 15:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 15:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 15:20	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 15:20	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 15:20	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 15:20*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 15:20*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 15:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 18:58	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 18:58	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 18:58	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 18:58	1

Client Sample ID: MW11-ROX-070725
Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 18:58	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 18:58	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 18:58	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 18:58	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 18:58	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 18:58	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 18:58	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 18:58	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 18:58	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 18:58	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 18:58	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 18:58	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 18:58	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 18:58	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 18:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 18:58	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 18:58	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 18:58	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 18:58	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 18:58	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 18:58	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 18:58	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 18:58	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 18:58	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 18:58	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW11-ROX-070725
Date Collected: 07/07/25 10:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 18:58	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 18:58	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 18:58	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 18:58	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 18:58	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2-Fluorobiphenyl	*85*		*25 - 139*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2-Fluorophenol	*106*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Phenol-d5	*113*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/08/25 07:00*	*07/10/25 18:58*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725

Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 15:45	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/14/25 15:45*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 15:45*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/14/25 15:45*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 UJ	25	10	ug/L			07/14/25 09:42	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 09:42	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 09:42	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 09:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 09:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 09:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 09:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 09:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 09:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 09:42	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 09:42	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 09:42	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 09:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 09:42	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 09:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 09:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 09:42	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 09:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 09:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 09:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 09:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 09:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 09:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 09:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 09:42	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 09:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 09:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 09:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 09:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 09:42	1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 09:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 09:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 09:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 09:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 09:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 09:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 09:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 09:42	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 09:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 09:42	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 09:42	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 09:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 09:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 09:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 09:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 09:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 09:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 09:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 09:42	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 09:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 09:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 09:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 09:42	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 09:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 09:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/14/25 09:42*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/14/25 09:42*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*07/14/25 09:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 19:34	1
Aniline	ND		9.8	0.73	ug/L		07/08/25 07:00	07/10/25 19:34	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzenethiol	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 19:34	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzoic acid	ND		98	79	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzyl alcohol	ND		34	30	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 19:34	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 19:34	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 19:34	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 19:34	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/08/25 07:00	07/10/25 19:34	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 19:34	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/08/25 07:00	07/10/25 19:34	1
Fluoranthene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/08/25 07:00	07/10/25 19:34	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/08/25 07:00	07/10/25 19:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/08/25 07:00	07/10/25 19:34	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/08/25 07:00	07/10/25 19:34	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 19:34	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/08/25 07:00	07/10/25 19:34	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/08/25 07:00	07/10/25 19:34	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/08/25 07:00	07/10/25 19:34	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/08/25 07:00	07/10/25 19:34	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/08/25 07:00	07/10/25 19:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/08/25 07:00	07/10/25 19:34	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/08/25 07:00	07/10/25 19:34	1
Indene	ND		9.8	0.43	ug/L		07/08/25 07:00	07/10/25 19:34	1
Isophorone	ND		9.8	0.79	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Methylphenol	ND		9.8	0.75	ug/L		07/08/25 07:00	07/10/25 19:34	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/08/25 07:00	07/10/25 19:34	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/08/25 07:00	07/10/25 19:34	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/08/25 07:00	07/10/25 19:34	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/08/25 07:00	07/10/25 19:34	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/08/25 07:00	07/10/25 19:34	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/08/25 07:00	07/10/25 19:34	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW16-ROX-070725
Date Collected: 07/07/25 11:10
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/08/25 07:00	07/10/25 19:34	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/08/25 07:00	07/10/25 19:34	1
Phenol	ND	F1 *+	9.8	0.67	ug/L		07/08/25 07:00	07/10/25 19:34	1
Pyridine	ND	F1 *+ UJ	9.8	3.0	ug/L		07/08/25 07:00	07/10/25 19:34	1
Quinoline	ND		9.8	0.49	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/08/25 07:00	07/10/25 19:34	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/08/25 07:00	07/10/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Terphenyl-d14	*49*		*43 - 147*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Phenol-d5	*108*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
Terphenyl-d14	*49*		*28 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/08/25 07:00*	*07/10/25 19:34*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725

Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 21:35*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 21:35*	*1*
4-Bromofluorobenzene	*99*		*50 - 150*		*07/11/25 21:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 15:42	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 15:42	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 15:42	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 15:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 15:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 15:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 15:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 15:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 15:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 15:42	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 15:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 15:42	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 15:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 15:42	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 15:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 15:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 15:42	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 15:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 15:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 15:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 15:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 15:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 15:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 15:42	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 15:42	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 15:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 15:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 15:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 15:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 15:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 15:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 15:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 15:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 15:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 15:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 15:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 15:42	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 15:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 15:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 15:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 15:42	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 15:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 15:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 15:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 15:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 15:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 15:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 15:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 15:42	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 15:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 15:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 15:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 15:42	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 15:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 15:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 15:42*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 15:42*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 15:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 21:21	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 21:21	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:21	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:21	1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 21:21	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:21	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:21	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 21:21	1
Chrysene	ND		0.20	0.038	ug/L		07/08/25 07:00	07/10/25 21:21	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 21:21	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:21	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 21:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:21	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 21:21	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/08/25 07:00	07/10/25 21:21	1
Phenanthrene	ND		0.20	0.043	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 21:21	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:21	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 21:21	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/08/25 07:00	07/10/25 21:21	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/08/25 07:00	07/10/25 21:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 21:21	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 21:21	1
Indene	ND		9.9	0.43	ug/L		07/08/25 07:00	07/10/25 21:21	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 21:21	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 21:21	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 21:21	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:21	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 21:21	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 21:21	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 21:21	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW12-ROX-070725
Date Collected: 07/07/25 12:25
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 21:21	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 21:21	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 21:21	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 21:21	1
Quinoline	ND		9.9	0.49	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 21:21	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2-Fluorophenol	*11*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Nitrobenzene-d5	*90*		*22 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Phenol-d5	*6*	*S1-*	*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*
2,4,6-Tribromophenol	*32*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-B
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:04	1
Acrolein	ND		20	3.3	ug/L			07/11/25 16:04	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 16:04	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 16:04	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:04	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:04	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 16:04	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:04	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:04	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:04	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:04	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:04	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 16:04	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:04	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:04	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:04	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:04	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:04	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260-B
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:04	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:04	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:04	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:04	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:04	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:04	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:04	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 16:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:04	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 16:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:04	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/11/25 16:04*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 16:04*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 16:04*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: TB-ROX-070725-8260SIM-B
Date Collected: 07/07/25 00:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-8
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 21:59	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 21:59*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 21:59*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/11/25 21:59*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB

Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 22:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 22:22*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 22:22*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 22:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:26	1
Acrolein	ND		20	3.3	ug/L			07/11/25 16:26	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 16:26	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 16:26	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:26	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 16:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:26	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:26	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:26	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 16:26	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:26	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:26	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:26	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB
Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:26	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:26	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:26	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:26	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:26	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:26	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:26	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:26	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:26	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:26	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 16:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:26	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 16:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:26	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 16:26*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 16:26*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 16:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 21:57	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 21:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:57	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB
Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 21:57	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 21:57	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 21:57	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 21:57	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 21:57	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 21:57	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 21:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 21:57	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 21:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 21:57	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 21:57	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 21:57	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 21:57	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 21:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 21:57	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 21:57	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 21:57	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 21:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 21:57	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 21:57	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 21:57	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 21:57	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 21:57	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 21:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725-EB
Date Collected: 07/07/25 08:00
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 21:57	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 21:57	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 21:57	1
Pyridine	ND	*+	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 21:57	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 21:57	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Phenol-d5	*110*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/08/25 07:00*	*07/10/25 21:57*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725

Date Collected: 07/07/25 10:05
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-10

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 22:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 22:46*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/11/25 22:46*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/11/25 22:46*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 16:48	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 16:48	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 16:48	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 16:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 16:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 16:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 16:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 16:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 16:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 16:48	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 16:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 16:48	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 16:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 16:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 16:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 16:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 16:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 16:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 16:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 16:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 16:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 16:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 16:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 16:48	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 16:48	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 16:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 16:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 16:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 16:48	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725
Date Collected: 07/07/25 10:05
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 16:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 16:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 16:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 16:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 16:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 16:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 16:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 16:48	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 16:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 16:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 16:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 16:48	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 16:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 16:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 16:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 16:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 16:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 16:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 16:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 16:48	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 16:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 16:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 16:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 16:48	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 16:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 16:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 16:48*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*07/11/25 16:48*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 16:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/08/25 07:00	07/10/25 22:32	1
Aniline	ND		9.9	0.73	ug/L		07/08/25 07:00	07/10/25 22:32	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzenethiol	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 22:32	1
Anthracene	ND		0.20	0.072	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzoic acid	ND		99	79	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 22:32	1

Client Sample ID: MW9-ROX-070725
Lab Sample ID: 400-278794-10
Date Collected: 07/07/25 10:05
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/08/25 07:00	07/10/25 22:32	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 22:32	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 22:32	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/08/25 07:00	07/10/25 22:32	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 22:32	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/08/25 07:00	07/10/25 22:32	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/08/25 07:00	07/10/25 22:32	1
Fluorene	ND		0.20	0.086	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/08/25 07:00	07/10/25 22:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 22:32	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/08/25 07:00	07/10/25 22:32	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 22:32	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/08/25 07:00	07/10/25 22:32	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/08/25 07:00	07/10/25 22:32	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/08/25 07:00	07/10/25 22:32	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/08/25 07:00	07/10/25 22:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 22:32	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/08/25 07:00	07/10/25 22:32	1
Indene	ND		9.9	0.44	ug/L		07/08/25 07:00	07/10/25 22:32	1
Isophorone	ND		9.9	0.79	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/08/25 07:00	07/10/25 22:32	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/08/25 07:00	07/10/25 22:32	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/08/25 07:00	07/10/25 22:32	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/08/25 07:00	07/10/25 22:32	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/08/25 07:00	07/10/25 22:32	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/08/25 07:00	07/10/25 22:32	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/08/25 07:00	07/10/25 22:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW9-ROX-070725
Date Collected: 07/07/25 10:05
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/08/25 07:00	07/10/25 22:32	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/08/25 07:00	07/10/25 22:32	1
Phenol	ND	*+	9.9	0.67	ug/L		07/08/25 07:00	07/10/25 22:32	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/08/25 07:00	07/10/25 22:32	1
Quinoline	ND		9.9	0.50	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/08/25 07:00	07/10/25 22:32	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/08/25 07:00	07/10/25 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Terphenyl-d14	*50*		*43 - 147*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Phenol-d5	*109*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
Terphenyl-d14	*50*		*28 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*07/08/25 07:00*	*07/10/25 22:32*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725

Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 16:08	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 16:08*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 16:08*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 16:08*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 UJ	25	10	ug/L			07/14/25 10:04	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 10:04	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 10:04	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 10:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 10:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 10:04	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 10:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 10:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 10:04	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 10:04	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 10:04	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 10:04	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 10:04	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 10:04	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 10:04	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 10:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 10:04	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 10:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 10:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 10:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 10:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 10:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 10:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 10:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 10:04	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 10:04	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 10:04	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 10:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 10:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 10:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 10:04	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 10:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 10:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 10:04	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 10:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 10:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 10:04	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 10:04	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 10:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 10:04	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 10:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 10:04	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 10:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 10:04	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 10:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 10:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 10:04	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 10:04	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 10:04	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 10:04	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 10:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 10:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 10:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 10:04	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 10:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 10:04	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*07/14/25 10:04*	*1*
Dibromofluoromethane	*117*		*79 - 130*		*07/14/25 10:04*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/14/25 10:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/10/25 23:08	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/10/25 23:08	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 23:08	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 23:08	1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/10/25 23:08	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 23:08	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 23:08	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/10/25 23:08	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 23:08	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/10/25 23:08	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 23:08	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/10/25 23:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 23:08	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/10/25 23:08	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 23:08	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pyrene	ND	*+ F1	0.20	0.095	ug/L		07/08/25 07:00	07/10/25 23:08	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 23:08	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/10/25 23:08	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/10/25 23:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 23:08	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/10/25 23:08	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/10/25 23:08	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/10/25 23:08	1
3 & 4 Methylphenol	ND	F1	20	4.6	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/10/25 23:08	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/10/25 23:08	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 23:08	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/10/25 23:08	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/10/25 23:08	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/10/25 23:08	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW10-ROX-070725
Date Collected: 07/07/25 11:15
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/10/25 23:08	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/10/25 23:08	1
Phenol	ND	F1 *+	10	0.68	ug/L		07/08/25 07:00	07/10/25 23:08	1
Pyridine	ND	F1 *+ UJ	10	3.0	ug/L		07/08/25 07:00	07/10/25 23:08	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/10/25 23:08	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/10/25 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2-Fluorobiphenyl	*85*		*25 - 139*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Phenol-d5	*113*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*
2,4,6-Tribromophenol	*84*		*10 - 150*	*07/08/25 07:00*	*07/10/25 23:08*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725

Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 23:09	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/11/25 23:09*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/11/25 23:09*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/11/25 23:09*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 17:10	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 17:10	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 17:10	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 17:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 17:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 17:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 17:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 17:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 17:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 17:10	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 17:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 17:10	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 17:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 17:10	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 17:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 17:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 17:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 17:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 17:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 17:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 17:10	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 17:10	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 17:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 17:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 17:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 17:10	1

Client Sample ID: MW28-ROX-070725
Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.37**	**J**	1.0	0.22	ug/L			07/11/25 17:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 17:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 17:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 17:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 17:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 17:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 17:10	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 17:10	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 17:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 17:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 17:10	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 17:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 17:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 17:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 17:10	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 17:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 17:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 17:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 17:10	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 17:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 17:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/11/25 17:10*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 17:10*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/11/25 17:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.082	ug/L		07/09/25 10:59	07/11/25 00:54	1
Aniline	ND		9.6	0.71	ug/L		07/09/25 10:59	07/11/25 00:54	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzenethiol	ND		9.6	0.58	ug/L		07/09/25 10:59	07/11/25 00:54	1
Anthracene	ND		0.19	0.070	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzoic acid	ND		96	77	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-chloroethoxy)methane	ND		9.6	0.33	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/09/25 10:59	07/11/25 00:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725
Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 10:59	07/11/25 00:54	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/09/25 10:59	07/11/25 00:54	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 10:59	07/11/25 00:54	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/09/25 10:59	07/11/25 00:54	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 10:59	07/11/25 00:54	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/09/25 10:59	07/11/25 00:54	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/09/25 10:59	07/11/25 00:54	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/09/25 10:59	07/11/25 00:54	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 10:59	07/11/25 00:54	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenz[a,h]acridine	ND		9.6	0.67	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dibenzofuran	ND		9.6	0.62	ug/L		07/09/25 10:59	07/11/25 00:54	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 10:59	07/11/25 00:54	1
Phenanthrene	ND		0.19	0.042	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pyrene	ND	*+	0.19	0.092	ug/L		07/09/25 10:59	07/11/25 00:54	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/09/25 10:59	07/11/25 00:54	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/09/25 10:59	07/11/25 00:54	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/09/25 10:59	07/11/25 00:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 10:59	07/11/25 00:54	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/09/25 10:59	07/11/25 00:54	1
Indene	ND		9.6	0.42	ug/L		07/09/25 10:59	07/11/25 00:54	1
Isophorone	ND		9.6	0.77	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/09/25 10:59	07/11/25 00:54	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/09/25 10:59	07/11/25 00:54	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/09/25 10:59	07/11/25 00:54	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/09/25 10:59	07/11/25 00:54	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/09/25 10:59	07/11/25 00:54	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/09/25 10:59	07/11/25 00:54	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/09/25 10:59	07/11/25 00:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW28-ROX-070725
Date Collected: 07/07/25 12:55
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/09/25 10:59	07/11/25 00:54	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/09/25 10:59	07/11/25 00:54	1
Phenol	ND	*+	9.6	0.66	ug/L		07/09/25 10:59	07/11/25 00:54	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/09/25 10:59	07/11/25 00:54	1
Quinoline	ND		9.6	0.48	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/09/25 10:59	07/11/25 00:54	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/09/25 10:59	07/11/25 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Terphenyl-d14	*59*		*43 - 147*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2-Fluorophenol	*112*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Phenol-d5	*120*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
Terphenyl-d14	*59*		*28 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*
2,4,6-Tribromophenol	*105*		*10 - 150*	*07/09/25 10:59*	*07/11/25 00:54*	*1*

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW27-ROX-070725
Lab Sample ID: 400-278794-13
Date Collected: 07/07/25 13:45
Matrix: Water
Date Received: 07/08/25 09:18

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 23:32	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*50 - 150*		*07/11/25 23:32*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/11/25 23:32*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/11/25 23:32*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 14:06	1
Acrolein	ND	UJ	20	3.3	ug/L			07/14/25 14:06	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/14/25 14:06	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 14:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 14:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/14/25 14:06	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 14:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 14:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 14:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 14:06	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/14/25 14:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 14:06	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 14:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 14:06	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 14:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 14:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 14:06	1
Dibromochloromethane	ND	UJ	1.0	0.24	ug/L			07/14/25 14:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 14:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 14:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 14:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 14:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 14:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 14:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 14:06	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 14:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 14:06	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 14:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 14:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 14:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 14:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 14:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 14:06	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 14:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 14:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 14:06	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 14:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 14:06	1
1,1,1,2-Tetrachloroethane	ND	UJ	1.0	0.38	ug/L			07/14/25 14:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 14:06	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 14:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 14:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 14:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 14:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 14:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 14:06	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 14:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 14:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 14:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 14:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 14:06	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 14:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 14:06	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/14/25 14:06*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/14/25 14:06*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*07/14/25 14:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/11/25 12:28	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/11/25 12:28	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/11/25 12:28	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/11/25 12:28	1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/11/25 12:28	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/11/25 12:28	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/11/25 12:28	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/11/25 12:28	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/11/25 12:28	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/11/25 12:28	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/11/25 12:28	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/11/25 12:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/11/25 12:28	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/11/25 12:28	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/11/25 12:28	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pyrene	ND	*+	0.20	0.095	ug/L		07/08/25 07:00	07/11/25 12:28	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/11/25 12:28	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/11/25 12:28	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/11/25 12:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/11/25 12:28	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/11/25 12:28	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/11/25 12:28	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/11/25 12:28	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/11/25 12:28	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/11/25 12:28	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/11/25 12:28	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/11/25 12:28	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/11/25 12:28	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/11/25 12:28	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Client Sample ID: MW27-ROX-070725
Date Collected: 07/07/25 13:45
Date Received: 07/08/25 09:18

Lab Sample ID: 400-278794-13
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/11/25 12:28	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/11/25 12:28	1
Phenol	ND	*+	10	0.68	ug/L		07/08/25 07:00	07/11/25 12:28	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/08/25 07:00	07/11/25 12:28	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/11/25 12:28	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/11/25 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Terphenyl-d14	*59*		*43 - 147*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2-Fluorobiphenyl	*93*		*25 - 139*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Phenol-d5	*105*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
Terphenyl-d14	*59*		*28 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/08/25 07:00*	*07/11/25 12:28*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, 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.
S1-	Surrogate recovery exceeds control limits, low 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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278794-1	TB-ROX-070725-8260-A	99	115	99
400-278794-3	MW11-ROX-070725-EB	99	117	99
400-278794-4	MW11-ROX-070725	101	113	100
400-278794-5	MW16-ROX-070725	98	117	97
400-278794-5 MS	MW16-ROX-070725	108	98	100
400-278794-5 MSD	MW16-ROX-070725	107	97	101
400-278794-6	MW12-ROX-070725	99	114	100
400-278794-7	TB-ROX-070725-8260-B	100	115	101
400-278794-9	MW9-ROX-070725-EB	101	114	101
400-278794-10	MW9-ROX-070725	99	114	99
400-278794-11	MW10-ROX-070725	95	117	96
400-278794-11 MS	MW10-ROX-070725	107	98	99
400-278794-11 MSD	MW10-ROX-070725	109	98	100
400-278794-12	MW28-ROX-070725	99	113	100
400-278794-13	MW27-ROX-070725	99	115	98
LCS 400-715694/1002	Lab Control Sample	108	99	100
LCS 400-715867/1002	Lab Control Sample	105	99	97
MB 400-715694/4	Method Blank	98	113	99
MB 400-715867/4	Method Blank	96	118	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278794-2	TB-ROX-070725-8260SIM-A	106	97	101
400-278794-3	MW11-ROX-070725-EB	107	98	100
400-278794-4	MW11-ROX-070725	106	98	101
400-278794-5	MW16-ROX-070725	104	98	103
400-278794-5 MS	MW16-ROX-070725	105	95	96
400-278794-5 MSD	MW16-ROX-070725	105	97	99
400-278794-6	MW12-ROX-070725	107	97	99
400-278794-8	TB-ROX-070725-8260SIM-B	107	97	101
400-278794-9	MW9-ROX-070725-EB	107	97	100
400-278794-10	MW9-ROX-070725	107	97	100
400-278794-11	MW10-ROX-070725	105	97	101
400-278794-11 MS	MW10-ROX-070725	105	98	99
400-278794-11 MSD	MW10-ROX-070725	104	98	99
400-278794-12	MW28-ROX-070725	106	98	98
400-278794-13	MW27-ROX-070725	107	96	98
LCS 400-715727/1004	Lab Control Sample	101	100	102
LCS 400-715943/1004	Lab Control Sample	95	102	105
MB 400-715727/5	Method Blank	104	99	104
MB 400-715943/6	Method Blank	103	98	105

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
400-278794-3	MW11-ROX-070725-EB	83	83	61	83	98	83	107	61
400-278794-4	MW11-ROX-070725	85	87	50	85	106	87	113	50
400-278794-5	MW16-ROX-070725	84	85	49	84	98	85	108	49
400-278794-5 MS	MW16-ROX-070725	80	84	46	80	107	84	131	46
400-278794-5 MSD	MW16-ROX-070725	80	91	49	80	114	91	136	49
400-278794-6	MW12-ROX-070725	87	90	50	87	11	90	6 S1-	50
400-278794-9	MW9-ROX-070725-EB	88	88	70	88	101	88	110	70
400-278794-10	MW9-ROX-070725	84	86	50	84	101	86	109	50
400-278794-11	MW10-ROX-070725	85	88	52	85	105	88	113	52
400-278794-11 MS	MW10-ROX-070725	81	91	48	81	116	91	139	48
400-278794-11 MSD	MW10-ROX-070725	84	87	51	84	100	87	116	51
400-278794-12	MW28-ROX-070725	95	93	59	95	112	93	120	59
400-278794-13	MW27-ROX-070725	93	94	59	93	98	94	105	59
LCS 400-715402/2-A	Lab Control Sample	80	84	73	80	109	84	135	73
LCS 400-715402/3-A	Lab Control Sample				86	114	89	131	66
LCSD 400-715402/4-A	Lab Control Sample Dup				84	107	83	123	66
MB 400-715402/1-A	Method Blank	87	85	70	87	105	85	116	70

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (10-150)							
400-278794-3	MW11-ROX-070725-EB	91							
400-278794-4	MW11-ROX-070725	92							
400-278794-5	MW16-ROX-070725	87							
400-278794-5 MS	MW16-ROX-070725	103							
400-278794-5 MSD	MW16-ROX-070725	110							
400-278794-6	MW12-ROX-070725	32							
400-278794-9	MW9-ROX-070725-EB	87							
400-278794-10	MW9-ROX-070725	86							
400-278794-11	MW10-ROX-070725	84							
400-278794-11 MS	MW10-ROX-070725	107							
400-278794-11 MSD	MW10-ROX-070725	111							
400-278794-12	MW28-ROX-070725	105							
400-278794-13	MW27-ROX-070725	101							
LCS 400-715402/2-A	Lab Control Sample	105							
LCS 400-715402/3-A	Lab Control Sample	84							
LCSD 400-715402/4-A	Lab Control Sample Dup	89							
MB 400-715402/1-A	Method Blank	90							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070725-8260-A
Lab Sample ID: 400-278794-1
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:36	WPD	EET PEN

Client Sample ID: TB-ROX-070725-8260SIM-A
Lab Sample ID: 400-278794-2
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 20:02	SRK	EET PEN

Client Sample ID: MW11-ROX-070725-EB
Lab Sample ID: 400-278794-3
Date Collected: 07/07/25 08:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:58	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 20:25	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 18:22	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 18:22	JAW	EET PEN

Client Sample ID: MW11-ROX-070725
Lab Sample ID: 400-278794-4
Date Collected: 07/07/25 10:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 15:20	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:12	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 18:58	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 18:58	JAW	EET PEN

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5
Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 09:42	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 15:45	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 19:34	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 19:34	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW12-ROX-070725
Lab Sample ID: 400-278794-6
Date Collected: 07/07/25 12:25
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 15:42	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:35	SRK	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 21:21	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 21:21	JAW	EET PEN

Client Sample ID: TB-ROX-070725-8260-B
Lab Sample ID: 400-278794-7
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:04	WPD	EET PEN

Client Sample ID: TB-ROX-070725-8260SIM-B
Lab Sample ID: 400-278794-8
Date Collected: 07/07/25 00:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 21:59	SRK	EET PEN

Client Sample ID: MW9-ROX-070725-EB
Lab Sample ID: 400-278794-9
Date Collected: 07/07/25 08:00
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:26	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 22:22	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 21:57	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 21:57	JAW	EET PEN

Client Sample ID: MW9-ROX-070725
Lab Sample ID: 400-278794-10
Date Collected: 07/07/25 10:05
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 16:48	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 22:46	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 22:32	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 22:32	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11

Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 10:04	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:08	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 23:08	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 23:08	JAW	EET PEN

Client Sample ID: MW28-ROX-070725
Lab Sample ID: 400-278794-12

Date Collected: 07/07/25 12:55
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 17:10	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 23:09	SRK	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715402	07/09/25 10:59	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/11/25 00:54	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715402	07/09/25 10:59	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/11/25 00:54	JAW	EET PEN

Client Sample ID: MW27-ROX-070725
Lab Sample ID: 400-278794-13

Date Collected: 07/07/25 13:45
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 14:06	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715727	07/11/25 23:32	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 12:28	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 12:28	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715402/1-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	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 15:59	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 15:59	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715694/4
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	8260D		1	5 mL	5 mL	715694	07/11/25 08:22	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715727/5
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	8260D SIM		1	5 mL	5 mL	715727	07/11/25 13:02	SRK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715867/4
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	8260D		1	5 mL	5 mL	715867	07/14/25 07:52	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6
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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715402/2-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	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 16:34	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 16:34	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715402/3-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	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 17:10	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715694/1002
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	8260D		1	5 mL	5 mL	715694	07/11/25 07:25	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715727/1004
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	8260D SIM		1	5 mL	5 mL	715727	07/11/25 12:24	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715867/1002
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	8260D		1	5 mL	5 mL	715867	07/14/25 06:56	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715402/4-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	3511			30 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 17:47	JAW	EET PEN

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5 MS
Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 11:54	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:31	SRK	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 20:09	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 20:09	JAW	EET PEN

Client Sample ID: MW16-ROX-070725
Lab Sample ID: 400-278794-5 MSD

Date Collected: 07/07/25 11:10
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 12:16	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 16:55	SRK	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 20:46	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 20:46	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11 MS

Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 12:38	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 17:18	SRK	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/10/25 23:44	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/10/25 23:44	JAW	EET PEN

Client Sample ID: MW10-ROX-070725
Lab Sample ID: 400-278794-11 MSD

Date Collected: 07/07/25 11:15
Matrix: Water
Date Received: 07/08/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715867	07/14/25 13:00	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 17:41	SRK	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715567	07/11/25 00:19	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715402	07/08/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			715568	07/11/25 00:19	JAW	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

GC/MS VOA

Analysis Batch: 715694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-1	TB-ROX-070725-8260-A	Total/NA	Water	8260D	
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8260D	
400-278794-4	MW11-ROX-070725	Total/NA	Water	8260D	
400-278794-6	MW12-ROX-070725	Total/NA	Water	8260D	
400-278794-7	TB-ROX-070725-8260-B	Total/NA	Water	8260D	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8260D	
400-278794-10	MW9-ROX-070725	Total/NA	Water	8260D	
400-278794-12	MW28-ROX-070725	Total/NA	Water	8260D	
MB 400-715694/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715694/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 715727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-2	TB-ROX-070725-8260SIM-A	Total/NA	Water	8260D SIM	
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8260D SIM	
400-278794-4	MW11-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-6	MW12-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-8	TB-ROX-070725-8260SIM-B	Total/NA	Water	8260D SIM	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8260D SIM	
400-278794-10	MW9-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-12	MW28-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-13	MW27-ROX-070725	Total/NA	Water	8260D SIM	
MB 400-715727/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715727/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 715867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-5	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-11	MW10-ROX-070725	Total/NA	Water	8260D	
400-278794-13	MW27-ROX-070725	Total/NA	Water	8260D	
MB 400-715867/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715867/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8260D	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8260D	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-5	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11	MW10-ROX-070725	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8260D SIM	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8260D SIM	

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278794-1

GC/MS Semi VOA

Prep Batch: 715402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	3511	
400-278794-4	MW11-ROX-070725	Total/NA	Water	3511	
400-278794-5	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-6	MW12-ROX-070725	Total/NA	Water	3511	
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	3511	
400-278794-10	MW9-ROX-070725	Total/NA	Water	3511	
400-278794-11	MW10-ROX-070725	Total/NA	Water	3511	
400-278794-12	MW28-ROX-070725	Total/NA	Water	3511	
400-278794-13	MW27-ROX-070725	Total/NA	Water	3511	
MB 400-715402/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715402/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715402/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	3511	
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	3511	
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	3511	

Analysis Batch: 715567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-4	MW11-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-6	MW12-ROX-070725	Total/NA	Water	8270E	715402
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-10	MW9-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-12	MW28-ROX-070725	Total/NA	Water	8270E	715402
MB 400-715402/1-A	Method Blank	Total/NA	Water	8270E	715402
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	8270E	715402
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-3	MW11-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-4	MW11-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-6	MW12-ROX-070725	Total/NA	Water	8270E	715402
400-278794-9	MW9-ROX-070725-EB	Total/NA	Water	8270E	715402
400-278794-10	MW9-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-12	MW28-ROX-070725	Total/NA	Water	8270E	715402
MB 400-715402/1-A	Method Blank	Total/NA	Water	8270E	715402
LCS 400-715402/2-A	Lab Control Sample	Total/NA	Water	8270E	715402
LCS 400-715402/3-A	Lab Control Sample	Total/NA	Water	8270E	715402
LCSD 400-715402/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	715402
400-278794-5 MS	MW16-ROX-070725	Total/NA	Water	8270E	715402
400-278794-5 MSD	MW16-ROX-070725	Total/NA	Water	8270E	715402

GC/MS Semi VOA (Continued)

Analysis Batch: 715568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-11 MS	MW10-ROX-070725	Total/NA	Water	8270E	715402
400-278794-11 MSD	MW10-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-13	MW27-ROX-070725	Total/NA	Water	8270E	715402

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278794-13	MW27-ROX-070725	Total/NA	Water	8270E	715402

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

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			07/11/25 08:22	1
Acrolein	ND		20	3.3	ug/L			07/11/25 08:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 08:22	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 08:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 08:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 08:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 08:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 08:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 08:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 08:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 08:22	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 08:22	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 08:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 08:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 08:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 08:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 08:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 08:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 08:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 08:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 08:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 08:22	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 08:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 08:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 08:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 08:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 08:22	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 08:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 08:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 08:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 08:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 08:22	1

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

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

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			07/11/25 08:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 08:22	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 08:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 08:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 08:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 08:22	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 08:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 08:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 08:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 08:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 08:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 08:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 08:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 08:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 08:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 08:22*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 08:22*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 08:22*	*1*

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	163		ug/L		65	38 - 150
Acrylonitrile	500	392		ug/L		78	64 - 142
Benzene	50.0	47.0		ug/L		94	70 - 130
Bromobenzene	50.0	43.8		ug/L		88	70 - 132
Bromochloromethane	50.0	42.0		ug/L		84	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	67 - 133
Bromoform	50.0	35.1		ug/L		70	57 - 140
Bromomethane	25.0	23.8		ug/L		95	10 - 150
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	42.8		ug/L		86	61 - 137
Carbon tetrachloride	50.0	42.9		ug/L		86	61 - 137
Chlorobenzene	50.0	43.3		ug/L		87	70 - 130
Chloroethane	25.0	14.4		ug/L		58	55 - 141
2-Chloroethyl vinyl ether	25.0	20.3		ug/L		81	10 - 150

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

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	44.7		ug/L		89	69 - 130
1-Chlorohexane	50.0	43.1		ug/L		86	69 - 130
Chloromethane	25.0	20.0		ug/L		80	58 - 137
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	69 - 132
Dibromochloromethane	50.0	39.8		ug/L		80	67 - 135
1,2-Dichlorobenzene	50.0	42.5		ug/L		85	67 - 130
1,3-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.0		ug/L		84	70 - 130
Dichlorodifluoromethane	25.0	19.4		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	45.8		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	46.0		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	47.3		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	47.2		ug/L		94	70 - 130
2,2-Dichloropropane	50.0	47.6		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	44.2		ug/L		88	68 - 130
Hexachlorobutadiene	50.0	39.7		ug/L		79	53 - 140
2-Hexanone	200	202		ug/L		101	65 - 137
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 130
Methylene bromide	50.0	43.2		ug/L		86	70 - 130
Methylene Chloride	50.0	45.8		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	69 - 138
Methyl tert-butyl ether	50.0	46.4		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	43.6		ug/L		87	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.5		ug/L		89	67 - 130
N-Propylbenzene	50.0	46.0		ug/L		92	70 - 130
o-Chlorotoluene	50.0	45.5		ug/L		91	70 - 130
o-Xylene	50.0	44.9		ug/L		90	70 - 130
p-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
p-Isopropyltoluene	50.0	43.0		ug/L		86	65 - 130
sec-Butylbenzene	50.0	44.6		ug/L		89	66 - 130
Styrene	50.0	42.5		ug/L		85	70 - 130
tert-Butylbenzene	50.0	45.1		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	41.5		ug/L		83	65 - 130
Toluene	50.0	45.0		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 140
1,1,1-Trichloroethane	50.0	46.5		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	70 - 130
Trichloroethene	50.0	44.8		ug/L		90	70 - 130
Trichlorofluoromethane	25.0	18.0		ug/L		72	65 - 138

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

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	46.1		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	69 - 130
Vinyl acetate	50.0	39.4		ug/L		79	26 - 150
Vinyl chloride	25.0	22.5		ug/L		90	59 - 136
Xylenes, Total	100	88.5		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-715867/4
Matrix: Water
Analysis Batch: 715867

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			07/14/25 07:52	1
Acrolein	ND		20	3.3	ug/L			07/14/25 07:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 07:52	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 07:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 07:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 07:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 07:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 07:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 07:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 07:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 07:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 07:52	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 07:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 07:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 07:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 07:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 07:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 07:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 07:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 07:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 07:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 07:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 07:52	1

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

Lab Sample ID: MB 400-715867/4
Matrix: Water
Analysis Batch: 715867

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	0.090	ug/L			07/14/25 07:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 07:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 07:52	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 07:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 07:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 07:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 07:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 07:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 07:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 07:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 07:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 07:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 07:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 07:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 07:52	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 07:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 07:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 07:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 07:52	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 07:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 07:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 07:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 07:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 07:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 07:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 07:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 07:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 07:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 07:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 07:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 07:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 07:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 07:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/14/25 07:52*	*1*
Dibromofluoromethane	*118*		*79 - 130*		*07/14/25 07:52*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/14/25 07:52*	*1*

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

Lab Sample ID: LCS 400-715867/1002
Matrix: Water
Analysis Batch: 715867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	181		ug/L		73	38 - 150
Acrylonitrile	500	387		ug/L		77	64 - 142
Benzene	50.0	47.6		ug/L		95	70 - 130
Bromobenzene	50.0	41.4		ug/L		83	70 - 132
Bromochloromethane	50.0	42.4		ug/L		85	70 - 130
Bromodichloromethane	50.0	46.7		ug/L		93	67 - 133
Bromoform	50.0	32.7		ug/L		65	57 - 140
Bromomethane	25.0	21.2		ug/L		85	10 - 150
2-Butanone (MEK)	200	199		ug/L		99	61 - 145
Carbon disulfide	50.0	42.1		ug/L		84	61 - 137
Carbon tetrachloride	50.0	43.0		ug/L		86	61 - 137
Chlorobenzene	50.0	42.8		ug/L		86	70 - 130
Chloroethane	25.0	16.6		ug/L		67	55 - 141
2-Chloroethyl vinyl ether	25.0	23.3		ug/L		93	10 - 150
Chloroform	50.0	45.0		ug/L		90	69 - 130
1-Chlorohexane	50.0	44.8		ug/L		90	69 - 130
Chloromethane	25.0	20.5		ug/L		82	58 - 137
cis-1,2-Dichloroethene	50.0	43.9		ug/L		88	68 - 130
cis-1,3-Dichloropropene	50.0	46.9		ug/L		94	69 - 132
Dibromochloromethane	50.0	39.0		ug/L		78	67 - 135
1,2-Dichlorobenzene	50.0	40.9		ug/L		82	67 - 130
1,3-Dichlorobenzene	50.0	41.8		ug/L		84	70 - 130
1,4-Dichlorobenzene	50.0	41.1		ug/L		82	70 - 130
Dichlorodifluoromethane	25.0	20.9		ug/L		84	41 - 146
1,1-Dichloroethane	50.0	45.5		ug/L		91	70 - 130
1,2-Dichloroethane	50.0	46.7		ug/L		93	69 - 130
1,1-Dichloroethene	50.0	44.3		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	45.7		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	47.4		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	49.7		ug/L		99	70 - 130
Ethylbenzene	50.0	45.9		ug/L		92	70 - 130
Ethyl methacrylate	50.0	41.8		ug/L		84	68 - 130
Hexachlorobutadiene	50.0	42.4		ug/L		85	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	44.6		ug/L		89	70 - 130
Methylene bromide	50.0	43.9		ug/L		88	70 - 130
Methylene Chloride	50.0	44.7		ug/L		89	66 - 135
4-Methyl-2-pentanone (MIBK)	200	174		ug/L		87	69 - 138
Methyl tert-butyl ether	50.0	47.1		ug/L		94	66 - 130
m-Xylene & p-Xylene	50.0	44.3		ug/L		89	70 - 130
Naphthalene	50.0	40.9		ug/L		82	47 - 149
n-Butylbenzene	50.0	46.9		ug/L		94	67 - 130
N-Propylbenzene	50.0	45.6		ug/L		91	70 - 130
o-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
o-Xylene	50.0	45.0		ug/L		90	70 - 130
p-Chlorotoluene	50.0	43.9		ug/L		88	70 - 130

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

Lab Sample ID: LCS 400-715867/1002
Matrix: Water
Analysis Batch: 715867

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	43.9		ug/L		88	65 - 130
sec-Butylbenzene	50.0	44.5		ug/L		89	66 - 130
Styrene	50.0	42.8		ug/L		86	70 - 130
tert-Butylbenzene	50.0	44.2		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	39.6		ug/L		79	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.2		ug/L		82	70 - 131
Tetrachloroethene	50.0	41.8		ug/L		84	65 - 130
Toluene	50.0	43.8		ug/L		88	70 - 130
trans-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	43.8		ug/L		88	63 - 130
1,2,3-Trichlorobenzene	50.0	41.3		ug/L		83	60 - 138
1,2,4-Trichlorobenzene	50.0	42.7		ug/L		85	60 - 140
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.2		ug/L		88	70 - 130
Trichloroethene	50.0	46.8		ug/L		94	70 - 130
Trichlorofluoromethane	25.0	20.3		ug/L		81	65 - 138
1,2,3-Trichloropropane	50.0	41.9		ug/L		84	70 - 130
1,2,4-Trimethylbenzene	50.0	43.6		ug/L		87	70 - 130
1,3,5-Trimethylbenzene	50.0	44.1		ug/L		88	69 - 130
Vinyl acetate	50.0	43.4		ug/L		87	26 - 150
Vinyl chloride	25.0	22.9		ug/L		91	59 - 136
Xylenes, Total	100	89.3		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	82.9	F1	ug/L		41	43 - 150
Acrolein	ND		250	203		ug/L		81	38 - 150
Acrylonitrile	ND		500	456		ug/L		91	62 - 149
Benzene	ND		50.0	52.7		ug/L		105	56 - 142
Bromobenzene	ND		50.0	48.9		ug/L		98	59 - 136
Bromochloromethane	ND		50.0	46.1		ug/L		92	64 - 140
Bromodichloromethane	ND		50.0	52.9		ug/L		106	59 - 143
Bromoform	ND		50.0	40.5		ug/L		81	50 - 140
Bromomethane	ND		25.0	15.4		ug/L		61	10 - 150
2-Butanone (MEK)	ND		200	127		ug/L		64	55 - 150
Carbon disulfide	ND		50.0	46.1		ug/L		92	48 - 150
Carbon tetrachloride	ND		50.0	49.5		ug/L		99	55 - 145
Chlorobenzene	ND		50.0	48.5		ug/L		97	64 - 130
Chloroethane	ND		25.0	17.2		ug/L		69	50 - 150
2-Chloroethyl vinyl ether	ND	F1	25.0	2.46	J	ug/L		10	10 - 150

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

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	ND		50.0	49.3		ug/L		99	60 - 141
1-Chlorohexane	ND		50.0	50.2		ug/L		100	56 - 136
Chloromethane	ND		25.0	21.4		ug/L		85	49 - 148
cis-1,2-Dichloroethene	ND		50.0	49.3		ug/L		99	59 - 143
cis-1,3-Dichloropropene	ND		50.0	53.4		ug/L		107	57 - 140
Dibromochloromethane	ND		50.0	46.9		ug/L		94	56 - 143
1,2-Dichlorobenzene	ND		50.0	47.8		ug/L		96	52 - 137
1,3-Dichlorobenzene	ND		50.0	48.8		ug/L		98	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.0		ug/L		96	53 - 135
Dichlorodifluoromethane	ND		25.0	21.6		ug/L		86	16 - 150
1,1-Dichloroethane	ND		50.0	50.0		ug/L		100	61 - 144
1,2-Dichloroethane	ND		50.0	52.5		ug/L		105	60 - 141
1,1-Dichloroethene	ND		50.0	48.8		ug/L		98	54 - 147
1,2-Dichloropropane	ND		50.0	53.8		ug/L		108	66 - 137
1,3-Dichloropropane	ND		50.0	54.1		ug/L		108	66 - 133
2,2-Dichloropropane	ND		50.0	52.0		ug/L		104	42 - 144
1,1-Dichloropropene	ND		50.0	55.6		ug/L		111	65 - 136
Ethylbenzene	ND		50.0	50.8		ug/L		102	58 - 131
Ethyl methacrylate	ND		50.0	52.0		ug/L		104	64 - 130
Hexachlorobutadiene	ND		50.0	48.7		ug/L		97	31 - 149
2-Hexanone	ND		200	151		ug/L		75	65 - 140
Isopropylbenzene	ND		50.0	49.2		ug/L		98	56 - 133
Methylene bromide	ND		50.0	49.0		ug/L		98	63 - 138
Methylene Chloride	ND		50.0	50.2		ug/L		100	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		95	63 - 146
Methyl tert-butyl ether	ND		50.0	55.8		ug/L		112	59 - 137
m-Xylene & p-Xylene	ND		50.0	48.9		ug/L		98	57 - 130
Naphthalene	ND		50.0	51.2		ug/L		102	25 - 150
n-Butylbenzene	ND		50.0	52.2		ug/L		104	41 - 142
N-Propylbenzene	ND		50.0	52.9		ug/L		106	51 - 138
o-Chlorotoluene	ND		50.0	51.6		ug/L		103	53 - 134
o-Xylene	ND		50.0	50.3		ug/L		101	61 - 130
p-Chlorotoluene	ND		50.0	50.3		ug/L		101	54 - 133
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139
sec-Butylbenzene	ND		50.0	51.6		ug/L		103	50 - 138
Styrene	ND		50.0	47.3		ug/L		95	58 - 131
tert-Butylbenzene	ND		50.0	52.0		ug/L		104	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	47.4		ug/L		95	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	53.9		ug/L		108	66 - 135
Tetrachloroethene	ND		50.0	46.8		ug/L		94	52 - 133
Toluene	ND		50.0	51.0		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.9		ug/L		102	61 - 143
trans-1,3-Dichloropropene	ND		50.0	52.3		ug/L		105	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	49.7		ug/L		99	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	49.6		ug/L		99	39 - 148
1,1,1-Trichloroethane	ND		50.0	52.2		ug/L		104	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.6		ug/L		107	66 - 131
Trichloroethene	ND		50.0	51.1		ug/L		102	64 - 136
Trichlorofluoromethane	ND		25.0	21.0		ug/L		84	54 - 150

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

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
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	52.5		ug/L		105	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	50.0		ug/L		100	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	50.6		ug/L		101	52 - 135
Vinyl acetate	ND		50.0	52.0		ug/L		104	26 - 150
Vinyl chloride	ND		25.0	24.1		ug/L		97	46 - 150
Xylenes, Total	ND		100	99.2		ug/L		99	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
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	83.3	F1	ug/L		42	43 - 150	0	30
Acrolein	ND		250	188		ug/L		75	38 - 150	8	31
Acrylonitrile	ND		500	438		ug/L		88	62 - 149	4	30
Benzene	ND		50.0	48.4		ug/L		97	56 - 142	8	30
Bromobenzene	ND		50.0	41.5		ug/L		83	59 - 136	16	30
Bromochloromethane	ND		50.0	41.5		ug/L		83	64 - 140	10	30
Bromodichloromethane	ND		50.0	47.5		ug/L		95	59 - 143	11	30
Bromoform	ND		50.0	35.6		ug/L		71	50 - 140	13	30
Bromomethane	ND		25.0	15.4		ug/L		62	10 - 150	0	50
2-Butanone (MEK)	ND		200	123		ug/L		62	55 - 150	3	30
Carbon disulfide	ND		50.0	42.9		ug/L		86	48 - 150	7	30
Carbon tetrachloride	ND		50.0	45.4		ug/L		91	55 - 145	9	30
Chlorobenzene	ND		50.0	42.6		ug/L		85	64 - 130	13	30
Chloroethane	ND		25.0	14.9		ug/L		60	50 - 150	14	30
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	44.8		ug/L		90	60 - 141	9	30
1-Chlorohexane	ND		50.0	44.3		ug/L		89	56 - 136	12	30
Chloromethane	ND		25.0	20.2		ug/L		81	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	59 - 143	6	30
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140	9	30
Dibromochloromethane	ND		50.0	42.1		ug/L		84	56 - 143	11	30
1,2-Dichlorobenzene	ND		50.0	38.9		ug/L		78	52 - 137	21	30
1,3-Dichlorobenzene	ND		50.0	40.0		ug/L		80	54 - 135	20	30
1,4-Dichlorobenzene	ND		50.0	38.5		ug/L		77	53 - 135	22	30
Dichlorodifluoromethane	ND		25.0	20.0		ug/L		80	16 - 150	8	31
1,1-Dichloroethane	ND		50.0	46.3		ug/L		93	61 - 144	8	30
1,2-Dichloroethane	ND		50.0	48.4		ug/L		97	60 - 141	8	30
1,1-Dichloroethene	ND		50.0	45.5		ug/L		91	54 - 147	7	30
1,2-Dichloropropane	ND		50.0	49.2		ug/L		98	66 - 137	9	30
1,3-Dichloropropane	ND		50.0	48.6		ug/L		97	66 - 133	11	30
2,2-Dichloropropane	ND		50.0	48.3		ug/L		97	42 - 144	7	31

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

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW16-ROX-070725
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	50.8		ug/L		102	65 - 136	9	30
Ethylbenzene	ND		50.0	45.0		ug/L		90	58 - 131	12	30
Ethyl methacrylate	ND		50.0	47.7		ug/L		95	64 - 130	9	30
Hexachlorobutadiene	ND		50.0	38.0		ug/L		76	31 - 149	25	36
2-Hexanone	ND		200	139		ug/L		69	65 - 140	8	30
Isopropylbenzene	ND		50.0	42.3		ug/L		85	56 - 133	15	30
Methylene bromide	ND		50.0	45.3		ug/L		91	63 - 138	8	30
Methylene Chloride	ND		50.0	45.4		ug/L		91	60 - 146	10	32
4-Methyl-2-pentanone (MIBK)	ND		200	181		ug/L		91	63 - 146	5	30
Methyl tert-butyl ether	ND		50.0	52.5		ug/L		105	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	43.1		ug/L		86	57 - 130	13	30
Naphthalene	ND		50.0	41.2		ug/L		82	25 - 150	22	30
n-Butylbenzene	ND		50.0	42.5		ug/L		85	41 - 142	21	31
N-Propylbenzene	ND		50.0	44.6		ug/L		89	51 - 138	17	30
o-Chlorotoluene	ND		50.0	43.6		ug/L		87	53 - 134	17	30
o-Xylene	ND		50.0	43.4		ug/L		87	61 - 130	15	30
p-Chlorotoluene	ND		50.0	42.3		ug/L		85	54 - 133	17	30
p-Isopropyltoluene	ND		50.0	41.3		ug/L		83	48 - 139	19	30
sec-Butylbenzene	ND		50.0	42.9		ug/L		86	50 - 138	18	30
Styrene	ND		50.0	41.3		ug/L		83	58 - 131	14	30
tert-Butylbenzene	ND		50.0	43.7		ug/L		87	54 - 146	17	30
1,1,1,2-Tetrachloroethane	ND		50.0	41.5		ug/L		83	59 - 137	13	30
1,1,2,2-Tetrachloroethane	ND		50.0	48.0		ug/L		96	66 - 135	12	30
Tetrachloroethene	ND		50.0	42.5		ug/L		85	52 - 133	10	30
Toluene	ND		50.0	45.4		ug/L		91	65 - 130	12	30
trans-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	61 - 143	9	30
trans-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	53 - 133	13	30
1,2,3-Trichlorobenzene	ND		50.0	38.3		ug/L		77	43 - 145	26	30
1,2,4-Trichlorobenzene	ND		50.0	37.3		ug/L		75	39 - 148	28	30
1,1,1-Trichloroethane	ND		50.0	48.2		ug/L		96	57 - 142	8	30
1,1,2-Trichloroethane	ND		50.0	48.0		ug/L		96	66 - 131	11	30
Trichloroethene	ND		50.0	46.7		ug/L		93	64 - 136	9	30
Trichlorofluoromethane	ND		25.0	19.5		ug/L		78	54 - 150	7	30
1,2,3-Trichloropropane	ND		50.0	48.1		ug/L		96	65 - 133	9	30
1,2,4-Trimethylbenzene	ND		50.0	42.0		ug/L		84	50 - 139	17	30
1,3,5-Trimethylbenzene	ND		50.0	42.0		ug/L		84	52 - 135	19	30
Vinyl acetate	ND		50.0	47.5		ug/L		95	26 - 150	9	33
Vinyl chloride	ND		25.0	22.1		ug/L		89	46 - 150	9	30
Xylenes, Total	ND		100	86.5		ug/L		86	59 - 130	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*97*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	85.2		ug/L		43	43 - 150
Acrolein	ND		250	185		ug/L		74	38 - 150
Acrylonitrile	ND		500	455		ug/L		91	62 - 149
Benzene	ND		50.0	48.2		ug/L		96	56 - 142
Bromobenzene	ND		50.0	39.9		ug/L		80	59 - 136
Bromochloromethane	ND		50.0	43.1		ug/L		86	64 - 140
Bromodichloromethane	ND		50.0	48.6		ug/L		97	59 - 143
Bromoform	ND		50.0	36.9		ug/L		74	50 - 140
Bromomethane	ND		25.0	17.3		ug/L		69	10 - 150
2-Butanone (MEK)	ND		200	126		ug/L		63	55 - 150
Carbon disulfide	ND		50.0	43.1		ug/L		86	48 - 150
Carbon tetrachloride	ND		50.0	45.0		ug/L		90	55 - 145
Chlorobenzene	ND		50.0	39.9		ug/L		80	64 - 130
Chloroethane	ND		25.0	16.4		ug/L		66	50 - 150
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	46.2		ug/L		92	60 - 141
1-Chlorohexane	ND		50.0	38.0		ug/L		76	56 - 136
Chloromethane	ND		25.0	20.0		ug/L		80	49 - 148
cis-1,2-Dichloroethene	ND		50.0	46.6		ug/L		93	59 - 143
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140
Dibromochloromethane	ND		50.0	43.1		ug/L		86	56 - 143
1,2-Dichlorobenzene	ND		50.0	37.4		ug/L		75	52 - 137
1,3-Dichlorobenzene	ND		50.0	35.7		ug/L		71	54 - 135
1,4-Dichlorobenzene	ND		50.0	35.4		ug/L		71	53 - 135
Dichlorodifluoromethane	ND		25.0	19.7		ug/L		79	16 - 150
1,1-Dichloroethane	ND		50.0	47.4		ug/L		95	61 - 144
1,2-Dichloroethane	ND		50.0	50.5		ug/L		101	60 - 141
1,1-Dichloroethene	ND		50.0	46.2		ug/L		92	54 - 147
1,2-Dichloropropane	ND		50.0	50.1		ug/L		100	66 - 137
1,3-Dichloropropane	ND		50.0	49.9		ug/L		100	66 - 133
2,2-Dichloropropane	ND		50.0	49.1		ug/L		98	42 - 144
1,1-Dichloropropene	ND		50.0	50.2		ug/L		100	65 - 136
Ethylbenzene	ND		50.0	40.1		ug/L		80	58 - 131
Ethyl methacrylate	ND		50.0	48.1		ug/L		96	64 - 130
Hexachlorobutadiene	ND		50.0	28.1		ug/L		56	31 - 149
2-Hexanone	ND		200	147		ug/L		74	65 - 140
Isopropylbenzene	ND		50.0	36.8		ug/L		74	56 - 133
Methylene bromide	ND		50.0	47.5		ug/L		95	63 - 138
Methylene Chloride	ND		50.0	47.7		ug/L		95	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	186		ug/L		93	63 - 146
Methyl tert-butyl ether	ND		50.0	54.2		ug/L		108	59 - 137
m-Xylene & p-Xylene	ND		50.0	38.0		ug/L		76	57 - 130
Naphthalene	ND		50.0	45.2		ug/L		90	25 - 150
n-Butylbenzene	ND		50.0	32.4		ug/L		65	41 - 142
N-Propylbenzene	ND		50.0	37.0		ug/L		74	51 - 138
o-Chlorotoluene	ND		50.0	38.0		ug/L		76	53 - 134
o-Xylene	ND		50.0	40.1		ug/L		80	61 - 130
p-Chlorotoluene	ND		50.0	37.3		ug/L		75	54 - 133

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

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	ND		50.0	33.0		ug/L		66	48 - 139
sec-Butylbenzene	ND		50.0	34.8		ug/L		70	50 - 138
Styrene	ND		50.0	38.5		ug/L		77	58 - 131
tert-Butylbenzene	ND		50.0	37.5		ug/L		75	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	40.3		ug/L		81	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	50.2		ug/L		100	66 - 135
Tetrachloroethene	ND		50.0	38.7		ug/L		77	52 - 133
Toluene	ND		50.0	43.0		ug/L		86	65 - 130
trans-1,2-Dichloroethene	ND		50.0	46.2		ug/L		92	61 - 143
trans-1,3-Dichloropropene	ND		50.0	47.2		ug/L		94	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	38.3		ug/L		77	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	35.9		ug/L		72	39 - 148
1,1,1-Trichloroethane	ND		50.0	48.6		ug/L		97	57 - 142
1,1,2-Trichloroethane	ND		50.0	48.6		ug/L		97	66 - 131
Trichloroethene	ND		50.0	45.4		ug/L		91	64 - 136
Trichlorofluoromethane	ND		25.0	19.4		ug/L		78	54 - 150
1,2,3-Trichloropropane	ND		50.0	50.9		ug/L		102	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	35.9		ug/L		72	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	35.9		ug/L		72	52 - 135
Vinyl acetate	ND		50.0	46.7		ug/L		93	26 - 150
Vinyl chloride	ND		25.0	21.8		ug/L		87	46 - 150
Xylenes, Total	ND		100	78.1		ug/L		78	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
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	84.2	F1	ug/L		42	43 - 150	1	30
Acrolein	ND		250	219		ug/L		88	38 - 150	17	31
Acrylonitrile	ND		500	462		ug/L		92	62 - 149	2	30
Benzene	ND		50.0	50.8		ug/L		102	56 - 142	5	30
Bromobenzene	ND		50.0	44.9		ug/L		90	59 - 136	12	30
Bromochloromethane	ND		50.0	43.7		ug/L		87	64 - 140	1	30
Bromodichloromethane	ND		50.0	51.6		ug/L		103	59 - 143	6	30
Bromoform	ND		50.0	39.5		ug/L		79	50 - 140	7	30
Bromomethane	ND		25.0	17.7		ug/L		71	10 - 150	2	50
2-Butanone (MEK)	ND		200	127		ug/L		63	55 - 150	0	30
Carbon disulfide	ND		50.0	45.2		ug/L		90	48 - 150	5	30
Carbon tetrachloride	ND		50.0	47.9		ug/L		96	55 - 145	6	30
Chlorobenzene	ND		50.0	44.5		ug/L		89	64 - 130	11	30
Chloroethane	ND		25.0	15.9		ug/L		64	50 - 150	3	30
2-Chloroethyl vinyl ether	ND	F1	25.0	ND	F1	ug/L		0	10 - 150	NC	50

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

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	ND		50.0	47.9		ug/L		96	60 - 141	4	30
1-Chlorohexane	ND		50.0	44.2		ug/L		88	56 - 136	15	30
Chloromethane	ND		25.0	22.8		ug/L		91	49 - 148	13	31
cis-1,2-Dichloroethene	ND		50.0	48.0		ug/L		96	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.0		ug/L		104	57 - 140	6	30
Dibromochloromethane	ND		50.0	45.6		ug/L		91	56 - 143	6	30
1,2-Dichlorobenzene	ND		50.0	42.9		ug/L		86	52 - 137	14	30
1,3-Dichlorobenzene	ND		50.0	42.5		ug/L		85	54 - 135	17	30
1,4-Dichlorobenzene	ND		50.0	41.3		ug/L		83	53 - 135	15	30
Dichlorodifluoromethane	ND		25.0	22.2		ug/L		89	16 - 150	12	31
1,1-Dichloroethane	ND		50.0	49.0		ug/L		98	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	51.8		ug/L		104	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	47.8		ug/L		96	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	52.8		ug/L		106	66 - 137	5	30
1,3-Dichloropropane	ND		50.0	52.9		ug/L		106	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	50.7		ug/L		101	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	53.7		ug/L		107	65 - 136	7	30
Ethylbenzene	ND		50.0	45.7		ug/L		91	58 - 131	13	30
Ethyl methacrylate	ND		50.0	51.2		ug/L		102	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	34.8		ug/L		70	31 - 149	21	36
2-Hexanone	ND		200	151		ug/L		75	65 - 140	2	30
Isopropylbenzene	ND		50.0	42.9		ug/L		86	56 - 133	15	30
Methylene bromide	ND		50.0	47.6		ug/L		95	63 - 138	0	30
Methylene Chloride	ND		50.0	49.4		ug/L		99	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		96	63 - 146	3	30
Methyl tert-butyl ether	ND		50.0	55.7		ug/L		111	59 - 137	3	30
m-Xylene & p-Xylene	ND		50.0	43.2		ug/L		86	57 - 130	13	30
Naphthalene	ND		50.0	49.2		ug/L		98	25 - 150	8	30
n-Butylbenzene	ND		50.0	40.5		ug/L		81	41 - 142	22	31
N-Propylbenzene	ND		50.0	44.6		ug/L		89	51 - 138	19	30
o-Chlorotoluene	ND		50.0	45.0		ug/L		90	53 - 134	17	30
o-Xylene	ND		50.0	45.0		ug/L		90	61 - 130	12	30
p-Chlorotoluene	ND		50.0	43.6		ug/L		87	54 - 133	16	30
p-Isopropyltoluene	ND		50.0	40.7		ug/L		81	48 - 139	21	30
sec-Butylbenzene	ND		50.0	42.8		ug/L		86	50 - 138	21	30
Styrene	ND		50.0	43.0		ug/L		86	58 - 131	11	30
tert-Butylbenzene	ND		50.0	45.1		ug/L		90	54 - 146	18	30
1,1,1,2-Tetrachloroethane	ND		50.0	44.6		ug/L		89	59 - 137	10	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.9		ug/L		106	66 - 135	5	30
Tetrachloroethene	ND		50.0	43.1		ug/L		86	52 - 133	11	30
Toluene	ND		50.0	47.1		ug/L		94	65 - 130	9	30
trans-1,2-Dichloroethene	ND		50.0	48.3		ug/L		97	61 - 143	5	30
trans-1,3-Dichloropropene	ND		50.0	49.8		ug/L		100	53 - 133	6	30
1,2,3-Trichlorobenzene	ND		50.0	42.2		ug/L		84	43 - 145	10	30
1,2,4-Trichlorobenzene	ND		50.0	41.5		ug/L		83	39 - 148	14	30
1,1,1-Trichloroethane	ND		50.0	50.5		ug/L		101	57 - 142	4	30
1,1,2-Trichloroethane	ND		50.0	52.0		ug/L		104	66 - 131	7	30
Trichloroethene	ND		50.0	49.5		ug/L		99	64 - 136	9	30
Trichlorofluoromethane	ND		25.0	21.6		ug/L		86	54 - 150	11	30

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

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715867

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		50.0	54.0		ug/L		108	65 - 133	6	30
1,2,4-Trimethylbenzene	ND		50.0	43.6		ug/L		87	50 - 139	19	30
1,3,5-Trimethylbenzene	ND		50.0	43.3		ug/L		87	52 - 135	19	30
Vinyl acetate	ND		50.0	54.5		ug/L		109	26 - 150	16	33
Vinyl chloride	ND		25.0	24.9		ug/L		99	46 - 150	13	30
Xylenes, Total	ND		100	88.3		ug/L		88	59 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*56 - 136*
Dibromofluoromethane	*98*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: MB 400-715727/5
Matrix: Water
Analysis Batch: 715727

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/11/25 13:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/11/25 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/11/25 13:02*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/11/25 13:02*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/11/25 13:02*	*1*

Lab Sample ID: LCS 400-715727/1004
Matrix: Water
Analysis Batch: 715727

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.496		ug/L		99	50 - 150		
1,2-Dibromoethane			0.500	0.506		ug/L		101	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*101*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*102*		*50 - 150*

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

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

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	103		50 - 150		07/14/25 14:11	1
Toluene-d8 (Surr)	98		50 - 150		07/14/25 14:11	1
4-Bromofluorobenzene	105		50 - 150		07/14/25 14:11	1

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.457		ug/L		91	50 - 150		
1,2-Dibromoethane			0.500	0.519		ug/L		104	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	95		50 - 150
Toluene-d8 (Surr)	102		50 - 150
4-Bromofluorobenzene	105		50 - 150

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.500	0.479		ug/L		96	50 - 150		
1,2-Dibromoethane	ND		0.500	0.470		ug/L		94	50 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane	105		50 - 150
Toluene-d8 (Surr)	95		50 - 150
4-Bromofluorobenzene	96		50 - 150

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA

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		0.500	0.488		ug/L		98	50 - 150	2	50
1,2-Dibromoethane	ND		0.500	0.451		ug/L		90	50 - 150	4	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane	105		50 - 150
Toluene-d8 (Surr)	97		50 - 150
4-Bromofluorobenzene	99		50 - 150

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

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	ND		0.500	0.519		ug/L		104	50 - 150
1,2-Dibromoethane	ND		0.500	0.527		ug/L		105	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane	*105*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*99*		*50 - 150*

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715943

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA

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		0.500	0.502		ug/L		100	50 - 150	3	50
1,2-Dibromoethane	ND		0.500	0.498		ug/L		100	50 - 150	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*99*		*50 - 150*

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

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/08/25 07:00	07/10/25 15:59	1
Aniline	ND		10	0.74	ug/L		07/08/25 07:00	07/10/25 15:59	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzenethiol	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 15:59	1
Anthracene	ND		0.20	0.073	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzoic acid	ND		100	80	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzyl alcohol	ND		35	30	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/08/25 07:00	07/10/25 15:59	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 15:59	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/08/25 07:00	07/10/25 15:59	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/08/25 07:00	07/10/25 15:59	1
Chrysene	ND		0.20	0.039	ug/L		07/08/25 07:00	07/10/25 15:59	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 15:59	1

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

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		10	0.28	ug/L		07/08/25 07:00	07/10/25 15:59	1
Fluoranthene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/08/25 07:00	07/10/25 15:59	1
Fluorene	ND		0.20	0.087	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Chlorophenol	ND		10	0.84	ug/L		07/08/25 07:00	07/10/25 15:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/08/25 07:00	07/10/25 15:59	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dibenzofuran	ND		10	0.64	ug/L		07/08/25 07:00	07/10/25 15:59	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/08/25 07:00	07/10/25 15:59	1
Phenanthrene	ND		0.20	0.044	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pyrene	ND		0.20	0.095	ug/L		07/08/25 07:00	07/10/25 15:59	1
Diethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/08/25 07:00	07/10/25 15:59	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/08/25 07:00	07/10/25 15:59	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
1,4-Dioxane	ND		10	4.3	ug/L		07/08/25 07:00	07/10/25 15:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/08/25 07:00	07/10/25 15:59	1
Hexachloroethane	ND		10	0.53	ug/L		07/08/25 07:00	07/10/25 15:59	1
Indene	ND		10	0.44	ug/L		07/08/25 07:00	07/10/25 15:59	1
Isophorone	ND		10	0.80	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Methylphenol	ND		10	0.76	ug/L		07/08/25 07:00	07/10/25 15:59	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Nitroaniline	ND		10	1.4	ug/L		07/08/25 07:00	07/10/25 15:59	1
3-Nitroaniline	ND		10	0.95	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Nitroaniline	ND		10	3.5	ug/L		07/08/25 07:00	07/10/25 15:59	1
Nitrobenzene	ND		10	0.60	ug/L		07/08/25 07:00	07/10/25 15:59	1
2-Nitrophenol	ND		10	1.2	ug/L		07/08/25 07:00	07/10/25 15:59	1
4-Nitrophenol	ND		10	2.7	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/08/25 07:00	07/10/25 15:59	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pentachlorophenol	ND		10	2.8	ug/L		07/08/25 07:00	07/10/25 15:59	1
Phenol	ND		10	0.68	ug/L		07/08/25 07:00	07/10/25 15:59	1
Pyridine	ND		10	3.0	ug/L		07/08/25 07:00	07/10/25 15:59	1
Quinoline	ND		10	0.50	ug/L		07/08/25 07:00	07/10/25 15:59	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/08/25 07:00	07/10/25 15:59	1

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

Lab Sample ID: MB 400-715402/1-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/08/25 07:00	07/10/25 15:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Phenol-d5	*116*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*07/08/25 07:00*	*07/10/25 15:59*	*1*

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	25.8		ug/L		77	29 - 110
Aniline	33.3	38.9		ug/L		117	10 - 134
Acenaphthylene	33.3	27.0		ug/L		81	30 - 112
Anthracene	33.3	34.7		ug/L		104	31 - 120
Benzoic acid	214	120		ug/L		56	10 - 180
Benzo[a]anthracene	33.3	35.3		ug/L		106	36 - 118
Benzyl alcohol	33.3	36.0		ug/L		108	10 - 150
Benzo[a]pyrene	33.3	32.1		ug/L		96	29 - 120
Bis(2-chloroethoxy)methane	33.3	34.3		ug/L		103	34 - 120
Benzo[b]fluoranthene	33.3	34.5		ug/L		104	32 - 119
Bis(2-chloroethyl)ether	33.3	28.9		ug/L		87	32 - 114
Benzo[g,h,i]perylene	33.3	29.7		ug/L		89	28 - 115
bis (2-chloroisopropyl) ether	33.3	27.1		ug/L		81	32 - 115
Benzo[k]fluoranthene	33.3	33.1		ug/L		99	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	28.6		ug/L		86	24 - 133
4-Bromophenyl phenyl ether	33.3	28.9		ug/L		87	24 - 120
Chrysene	33.3	34.2		ug/L		102	34 - 113
Butyl benzyl phthalate	33.3	28.4		ug/L		85	24 - 140
Dibenz(a,h)anthracene	33.3	30.3		ug/L		91	29 - 117
4-Chloroaniline	33.3	31.1		ug/L		93	10 - 150
Fluoranthene	33.3	41.1		ug/L		123	30 - 124
4-Chloro-3-methylphenol	33.3	38.7		ug/L		116	10 - 137
Fluorene	33.3	29.5		ug/L		88	30 - 118
2-Chloronaphthalene	33.3	26.5		ug/L		79	10 - 150
2-Chlorophenol	33.3	34.9		ug/L		105	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	29.6		ug/L		89	28 - 115
1-Methylnaphthalene	33.3	24.9		ug/L		75	25 - 120
4-Chlorophenyl phenyl ether	33.3	25.2		ug/L		76	31 - 110
2-Methylnaphthalene	33.3	24.6		ug/L		74	24 - 110
Dibenz[a,h]acridine	49.9	57.0		ug/L		114	40 - 140

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

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	33.3	31.6		ug/L		95	35 - 110
3,3'-Dichlorobenzidine	33.3	27.4		ug/L		82	10 - 150
Phenanthrene	33.3	33.7		ug/L		101	32 - 115
2,4-Dichlorophenol	33.3	33.3		ug/L		100	30 - 125
Pyrene	33.3	43.2	*+	ug/L		130	30 - 126
Diethyl phthalate	33.3	23.2		ug/L		70	31 - 118
2,4-Dimethylphenol	33.3	34.4		ug/L		103	10 - 142
Dimethyl phthalate	33.3	27.8		ug/L		83	24 - 125
Di-n-butyl phthalate	33.3	25.7		ug/L		77	30 - 127
4,6-Dinitro-ortho-cresol	66.7	62.1		ug/L		93	10 - 150
2,4-Dinitrophenol	66.7	49.6		ug/L		74	10 - 150
2,4-Dinitrotoluene	33.3	29.8		ug/L		90	30 - 129
2,6-Dinitrotoluene	33.3	31.4		ug/L		94	34 - 132
Di-n-octyl phthalate	33.3	28.3		ug/L		85	28 - 142
1,4-Dioxane	33.3	32.8		ug/L		98	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	27.7		ug/L		83	29 - 121
Hexachlorobenzene	33.3	28.9		ug/L		87	29 - 113
Hexachlorocyclopentadiene	33.3	14.5	J	ug/L		44	10 - 150
Hexachloroethane	33.3	21.4		ug/L		64	10 - 112
Indene	50.0	38.7		ug/L		77	10 - 113
Isophorone	33.3	27.4		ug/L		82	29 - 125
2-Methylphenol	33.3	39.1		ug/L		117	11 - 121
3 & 4 Methylphenol	33.3	45.8		ug/L		137	10 - 150
2-Nitroaniline	33.3	35.0		ug/L		105	31 - 141
3-Nitroaniline	33.3	29.8		ug/L		90	33 - 136
4-Nitroaniline	33.3	32.2		ug/L		97	37 - 139
Nitrobenzene	33.3	27.7		ug/L		83	29 - 129
2-Nitrophenol	33.3	35.0		ug/L		105	31 - 142
4-Nitrophenol	66.7	84.1		ug/L		126	10 - 150
N-Nitrosodimethylamine	33.3	35.2		ug/L		106	10 - 136
N-Nitrosodi-n-propylamine	33.3	31.5		ug/L		94	53 - 134
N-Nitrosodiphenylamine	33.1	29.9		ug/L		90	62 - 132
Pentachlorophenol	66.7	74.5		ug/L		112	14 - 150
Phenol	33.3	50.5	*+	ug/L		152	10 - 150
Pyridine	66.7	124	*+	ug/L		187	10 - 150
Quinoline	49.9	52.9		ug/L		106	50 - 150
2,4,5-Trichlorophenol	33.3	34.9		ug/L		105	27 - 136
2,4,6-Trichlorophenol	33.3	33.5		ug/L		101	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*73*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*135*		*10 - 150*

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

Lab Sample ID: LCS 400-715402/2-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	73		28 - 150
2,4,6-Tribromophenol	105		10 - 150

Lab Sample ID: LCS 400-715402/3-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715402

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	49.9		ug/L		100	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	89		22 - 150
Phenol-d5	131		10 - 150
Terphenyl-d14	66		28 - 150
2,4,6-Tribromophenol	84		10 - 150

Lab Sample ID: LCSD 400-715402/4-A
Matrix: Water
Analysis Batch: 715568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715402

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	43.5		ug/L		87	10 - 150	14	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	84		25 - 139
2-Fluorophenol	107		10 - 150
Nitrobenzene-d5	83		22 - 150
Phenol-d5	123		10 - 150
Terphenyl-d14	66		28 - 150
2,4,6-Tribromophenol	89		10 - 150

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.8	25.8		ug/L		79	50 - 150
Aniline	ND		32.8	39.1		ug/L		119	50 - 150
Acenaphthylene	ND		32.8	27.5		ug/L		84	50 - 150
Anthracene	ND		32.8	34.1		ug/L		104	50 - 150
Benzoic acid	ND		211	154		ug/L		73	50 - 150
Benzo[a]anthracene	ND		32.8	28.9		ug/L		88	50 - 150
Benzyl alcohol	ND		32.8	35.1		ug/L		107	50 - 150
Benzo[a]pyrene	ND		32.8	28.3		ug/L		86	50 - 150
Bis(2-chloroethoxy)methane	ND		32.8	36.5		ug/L		111	50 - 150
Benzo[b]fluoranthene	ND		32.8	30.0		ug/L		92	50 - 150

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

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	ND		32.8	29.8		ug/L		91	50 - 150
Benzo[g,h,i]perylene	ND		32.8	26.4		ug/L		81	50 - 150
bis (2-chloroisopropyl) ether	ND		32.8	28.2		ug/L		86	50 - 150
Benzo[k]fluoranthene	ND		32.8	30.2		ug/L		92	50 - 150
Bis(2-ethylhexyl) phthalate	ND		32.8	25.4		ug/L		77	50 - 150
4-Bromophenyl phenyl ether	ND		32.8	27.3		ug/L		83	50 - 150
Chrysene	ND		32.8	28.4		ug/L		87	50 - 150
Butyl benzyl phthalate	ND		32.8	29.3		ug/L		89	50 - 150
Dibenz(a,h)anthracene	ND		32.8	27.5		ug/L		84	50 - 150
4-Chloroaniline	ND		32.8	34.2		ug/L		104	50 - 150
Fluoranthene	ND		32.8	37.6		ug/L		115	50 - 150
4-Chloro-3-methylphenol	ND		32.8	38.4		ug/L		117	50 - 150
Fluorene	ND		32.8	28.9		ug/L		88	50 - 150
2-Chloronaphthalene	ND		32.8	27.2		ug/L		83	50 - 150
2-Chlorophenol	ND		32.8	33.6		ug/L		102	50 - 150
Indeno[1,2,3-cd]pyrene	ND		32.8	26.4		ug/L		81	50 - 150
1-Methylnaphthalene	ND		32.8	26.1		ug/L		80	50 - 150
4-Chlorophenyl phenyl ether	ND		32.8	24.4		ug/L		74	50 - 150
2-Methylnaphthalene	ND		32.8	25.8		ug/L		79	50 - 150
Dibenz[a,h]acridine	ND		49.1	55.8		ug/L		114	50 - 150
Dibenzofuran	ND		32.8	31.4		ug/L		96	50 - 150
3,3'-Dichlorobenzidine	ND		32.8	27.4		ug/L		84	50 - 150
Phenanthrene	ND		32.8	33.2		ug/L		101	50 - 150
2,4-Dichlorophenol	ND		32.8	33.3		ug/L		102	50 - 150
Pyrene	ND	*+	32.8	39.7		ug/L		121	50 - 150
Diethyl phthalate	ND		32.8	24.6		ug/L		75	50 - 150
2,4-Dimethylphenol	ND		32.8	36.2		ug/L		110	50 - 150
Dimethyl phthalate	ND		32.8	27.5		ug/L		84	50 - 150
Di-n-butyl phthalate	ND		32.8	27.4		ug/L		84	50 - 150
4,6-Dinitro-ortho-cresol	ND		65.6	59.3		ug/L		90	50 - 150
2,4-Dinitrophenol	ND		65.6	49.3		ug/L		75	50 - 150
2,4-Dinitrotoluene	ND		32.8	30.4		ug/L		93	50 - 150
2,6-Dinitrotoluene	ND		32.8	32.0		ug/L		97	50 - 150
Di-n-octyl phthalate	ND		32.8	24.8		ug/L		76	50 - 150
1,4-Dioxane	ND		32.8	33.1		ug/L		101	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.8	27.0		ug/L		82	50 - 150
Hexachlorobenzene	ND		32.8	27.5		ug/L		84	50 - 150
Hexachlorocyclopentadiene	ND		32.8	18.6	J	ug/L		57	50 - 150
Hexachloroethane	ND		32.8	21.8		ug/L		66	50 - 150
Indene	ND		49.2	41.4		ug/L		84	50 - 150
Isophorone	ND		32.8	28.0		ug/L		85	50 - 150
2-Methylphenol	ND		32.8	38.6		ug/L		118	50 - 150
3 & 4 Methylphenol	ND		32.8	44.7		ug/L		136	50 - 150
2-Nitroaniline	ND		32.8	35.7		ug/L		109	50 - 150
3-Nitroaniline	ND		32.8	31.5		ug/L		96	50 - 150
4-Nitroaniline	ND		32.8	33.2		ug/L		101	50 - 150
Nitrobenzene	ND		32.8	28.6		ug/L		87	50 - 150
2-Nitrophenol	ND		32.8	35.3		ug/L		108	50 - 150

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

Lab Sample ID: 400-278794-5 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitrophenol	ND		65.6	80.6		ug/L		123	50 - 150
N-Nitrosodimethylamine	ND		32.8	35.9		ug/L		109	50 - 150
N-Nitrosodi-n-propylamine	ND		32.8	31.4		ug/L		96	50 - 150
N-Nitrosodiphenylamine	ND		32.5	30.0		ug/L		92	50 - 150
Pentachlorophenol	ND		65.6	69.8		ug/L		106	50 - 150
Phenol	ND	F1 *+	32.8	49.6	F1	ug/L		151	50 - 150
Pyridine	ND	F1 *+	65.6	128	F1	ug/L		195	50 - 150
Quinoline	ND		49.1	58.0		ug/L		118	50 - 150
2,4,5-Trichlorophenol	ND		32.8	33.4		ug/L		102	50 - 150
2,4,6-Trichlorophenol	ND		32.8	32.3		ug/L		98	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*46*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*131*		*10 - 150*
Terphenyl-d14	*46*		*28 - 150*
2,4,6-Tribromophenol	*103*		*10 - 150*

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.9	25.7		ug/L		78	50 - 150	0	40
Aniline	ND		32.9	40.3		ug/L		123	50 - 150	3	40
Acenaphthylene	ND		32.9	27.8		ug/L		85	50 - 150	1	40
Anthracene	ND		32.9	35.5		ug/L		108	50 - 150	4	40
Benzoic acid	ND		212	162		ug/L		77	50 - 150	5	40
Benzo[a]anthracene	ND		32.9	30.7		ug/L		93	50 - 150	6	40
Benzyl alcohol	ND		32.9	38.3		ug/L		116	50 - 150	9	40
Benzo[a]pyrene	ND		32.9	28.9		ug/L		88	50 - 150	2	40
Bis(2-chloroethoxy)methane	ND		32.9	36.0		ug/L		110	50 - 150	1	40
Benzo[b]fluoranthene	ND		32.9	30.0		ug/L		91	50 - 150	0	40
Bis(2-chloroethyl)ether	ND		32.9	31.9		ug/L		97	50 - 150	7	40
Benzo[g,h,i]perylene	ND		32.9	26.9		ug/L		82	50 - 150	2	40
bis (2-chloroisopropyl) ether	ND		32.9	30.5		ug/L		93	50 - 150	8	40
Benzo[k]fluoranthene	ND		32.9	30.9		ug/L		94	50 - 150	2	40
Bis(2-ethylhexyl) phthalate	ND		32.9	26.9		ug/L		82	50 - 150	6	40
4-Bromophenyl phenyl ether	ND		32.9	28.1		ug/L		85	50 - 150	3	40
Chrysene	ND		32.9	30.0		ug/L		91	50 - 150	5	40
Butyl benzyl phthalate	ND		32.9	30.1		ug/L		92	50 - 150	3	40
Dibenz(a,h)anthracene	ND		32.9	27.8		ug/L		85	50 - 150	1	40
4-Chloroaniline	ND		32.9	33.7		ug/L		102	50 - 150	2	40
Fluoranthene	ND		32.9	39.4		ug/L		120	50 - 150	5	40

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

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	ND		32.9	38.6		ug/L		117	50 - 150	1	40
Fluorene	ND		32.9	29.1		ug/L		88	50 - 150	1	40
2-Chloronaphthalene	ND		32.9	24.1		ug/L		73	50 - 150	12	40
2-Chlorophenol	ND		32.9	36.3		ug/L		110	50 - 150	8	40
Indeno[1,2,3-cd]pyrene	ND		32.9	27.3		ug/L		83	50 - 150	4	40
1-Methylnaphthalene	ND		32.9	26.1		ug/L		79	50 - 150	0	40
4-Chlorophenyl phenyl ether	ND		32.9	24.5		ug/L		74	50 - 150	1	40
2-Methylnaphthalene	ND		32.9	26.0		ug/L		79	50 - 150	1	40
Dibenz[a,h]acridine	ND		49.2	55.1		ug/L		112	50 - 150	1	40
Dibenzofuran	ND		32.9	31.9		ug/L		97	50 - 150	2	40
3,3'-Dichlorobenzidine	ND		32.9	29.2		ug/L		89	50 - 150	6	40
Phenanthrene	ND		32.9	33.8		ug/L		103	50 - 150	2	40
2,4-Dichlorophenol	ND		32.9	33.5		ug/L		102	50 - 150	1	40
Pyrene	ND	*+	32.9	42.1		ug/L		128	50 - 150	6	40
Diethyl phthalate	ND		32.9	24.7		ug/L		75	50 - 150	1	40
2,4-Dimethylphenol	ND		32.9	35.6		ug/L		108	50 - 150	2	40
Dimethyl phthalate	ND		32.9	27.7		ug/L		84	50 - 150	1	40
Di-n-butyl phthalate	ND		32.9	28.1		ug/L		85	50 - 150	2	40
4,6-Dinitro-ortho-cresol	ND		65.8	62.3		ug/L		95	50 - 150	5	40
2,4-Dinitrophenol	ND		65.8	50.0		ug/L		76	50 - 150	2	40
2,4-Dinitrotoluene	ND		32.9	30.7		ug/L		93	50 - 150	1	40
2,6-Dinitrotoluene	ND		32.9	31.8		ug/L		97	50 - 150	0	40
Di-n-octyl phthalate	ND		32.9	26.7		ug/L		81	50 - 150	8	40
1,4-Dioxane	ND		32.9	35.3		ug/L		107	50 - 150	6	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.9	27.6		ug/L		84	50 - 150	2	40
Hexachlorobenzene	ND		32.9	28.3		ug/L		86	50 - 150	3	40
Hexachlorocyclopentadiene	ND		32.9	20.1		ug/L		61	50 - 150	8	40
Hexachloroethane	ND		32.9	24.4		ug/L		74	50 - 150	11	40
Indene	ND		49.3	44.4		ug/L		90	50 - 150	7	40
Isophorone	ND		32.9	30.2		ug/L		92	50 - 150	8	40
2-Methylphenol	ND		32.9	41.5		ug/L		126	50 - 150	7	40
3 & 4 Methylphenol	ND		32.9	46.8		ug/L		142	50 - 150	5	40
2-Nitroaniline	ND		32.9	36.3		ug/L		110	50 - 150	1	40
3-Nitroaniline	ND		32.9	32.1		ug/L		98	50 - 150	2	40
4-Nitroaniline	ND		32.9	33.4		ug/L		102	50 - 150	1	40
Nitrobenzene	ND		32.9	30.9		ug/L		94	50 - 150	8	40
2-Nitrophenol	ND		32.9	35.3		ug/L		107	50 - 150	0	40
4-Nitrophenol	ND		65.8	81.1		ug/L		123	50 - 150	1	40
N-Nitrosodimethylamine	ND		32.9	37.1		ug/L		113	50 - 150	3	40
N-Nitrosodi-n-propylamine	ND		32.9	34.2		ug/L		104	50 - 150	8	40
N-Nitrosodiphenylamine	ND		32.6	30.2		ug/L		92	50 - 150	1	40
Pentachlorophenol	ND		65.8	73.2		ug/L		111	50 - 150	5	40
Phenol	ND	F1 *+	32.9	51.0	F1	ug/L		155	50 - 150	3	40
Pyridine	ND	F1 *+	65.8	131	F1	ug/L		199	50 - 150	2	40
Quinoline	ND		49.2	56.5		ug/L		115	50 - 150	3	40
2,4,5-Trichlorophenol	ND		32.9	32.6		ug/L		99	50 - 150	2	40
2,4,6-Trichlorophenol	ND		32.9	32.8		ug/L		100	50 - 150	2	40

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

Lab Sample ID: 400-278794-5 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW16-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	80		15 - 150
Nitrobenzene-d5	91		50 - 150
Terphenyl-d14	49		43 - 147
2-Fluorobiphenyl	80		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	91		22 - 150
Phenol-d5	136		10 - 150
Terphenyl-d14	49		28 - 150
2,4,6-Tribromophenol	110		10 - 150

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		33.1	24.6		ug/L		74	50 - 150
Aniline	ND		33.1	40.4		ug/L		122	50 - 150
Acenaphthylene	ND		33.1	26.7		ug/L		81	50 - 150
Anthracene	ND		33.1	34.9		ug/L		105	50 - 150
Benzoic acid	ND		213	158		ug/L		74	50 - 150
Benzo[a]anthracene	ND		33.1	31.6		ug/L		95	50 - 150
Benzyl alcohol	ND		33.1	39.4		ug/L		119	50 - 150
Benzo[a]pyrene	ND		33.1	30.7		ug/L		93	50 - 150
Bis(2-chloroethoxy)methane	ND		33.1	36.2		ug/L		109	50 - 150
Benzo[b]fluoranthene	ND		33.1	32.1		ug/L		97	50 - 150
Bis(2-chloroethyl)ether	ND		33.1	32.2		ug/L		97	50 - 150
Benzo[g,h,i]perylene	ND		33.1	29.1		ug/L		88	50 - 150
bis (2-chloroisopropyl) ether	ND		33.1	30.0		ug/L		91	50 - 150
Benzo[k]fluoranthene	ND		33.1	32.9		ug/L		99	50 - 150
Bis(2-ethylhexyl) phthalate	ND		33.1	27.2		ug/L		82	50 - 150
4-Bromophenyl phenyl ether	ND		33.1	26.2		ug/L		79	50 - 150
Chrysene	ND		33.1	31.7		ug/L		96	50 - 150
Butyl benzyl phthalate	ND		33.1	31.3		ug/L		95	50 - 150
Dibenz(a,h)anthracene	ND		33.1	30.1		ug/L		91	50 - 150
4-Chloroaniline	ND		33.1	32.6		ug/L		98	50 - 150
Fluoranthene	ND		33.1	39.8		ug/L		120	50 - 150
4-Chloro-3-methylphenol	ND		33.1	39.0		ug/L		118	50 - 150
Fluorene	ND		33.1	27.5		ug/L		83	50 - 150
2-Chloronaphthalene	ND		33.1	23.6		ug/L		71	50 - 150
2-Chlorophenol	ND		33.1	37.1		ug/L		112	50 - 150
Indeno[1,2,3-cd]pyrene	ND		33.1	29.5		ug/L		89	50 - 150
1-Methylnaphthalene	ND		33.1	25.0		ug/L		75	50 - 150
4-Chlorophenyl phenyl ether	ND		33.1	22.7		ug/L		69	50 - 150
2-Methylnaphthalene	ND		33.1	24.6		ug/L		74	50 - 150
Dibenz[a,h]acridine	ND		49.5	57.0		ug/L		115	50 - 150
Dibenzofuran	ND		33.1	29.8		ug/L		90	50 - 150
3,3'-Dichlorobenzidine	ND		33.1	26.6		ug/L		80	50 - 150
Phenanthrene	ND		33.1	32.9		ug/L		99	50 - 150

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

Lab Sample ID: 400-278794-11 MS
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	ND		33.1	34.5		ug/L		104	50 - 150
Pyrene	ND	*+ F1	33.1	42.2		ug/L		127	50 - 150
Diethyl phthalate	ND		33.1	22.5		ug/L		68	50 - 150
2,4-Dimethylphenol	ND		33.1	34.8		ug/L		105	50 - 150
Dimethyl phthalate	ND		33.1	28.1		ug/L		85	50 - 150
Di-n-butyl phthalate	ND		33.1	26.9		ug/L		81	50 - 150
4,6-Dinitro-ortho-cresol	ND		66.2	62.6		ug/L		95	50 - 150
2,4-Dinitrophenol	ND		66.2	51.0		ug/L		77	50 - 150
2,4-Dinitrotoluene	ND		33.1	30.2		ug/L		91	50 - 150
2,6-Dinitrotoluene	ND		33.1	31.8		ug/L		96	50 - 150
Di-n-octyl phthalate	ND		33.1	26.9		ug/L		81	50 - 150
1,4-Dioxane	ND		33.1	35.3		ug/L		107	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.1	26.0		ug/L		79	50 - 150
Hexachlorobenzene	ND		33.1	28.1		ug/L		85	50 - 150
Hexachlorocyclopentadiene	ND		33.1	17.3	J	ug/L		52	50 - 150
Hexachloroethane	ND		33.1	22.1		ug/L		67	50 - 150
Indene	ND		49.7	42.1		ug/L		85	50 - 150
Isophorone	ND		33.1	30.1		ug/L		91	50 - 150
2-Methylphenol	ND		33.1	42.7		ug/L		129	50 - 150
3 & 4 Methylphenol	ND	F1	33.1	48.4		ug/L		146	50 - 150
2-Nitroaniline	ND		33.1	35.3		ug/L		107	50 - 150
3-Nitroaniline	ND		33.1	30.9		ug/L		93	50 - 150
4-Nitroaniline	ND		33.1	32.8		ug/L		99	50 - 150
Nitrobenzene	ND		33.1	31.1		ug/L		94	50 - 150
2-Nitrophenol	ND		33.1	35.6		ug/L		107	50 - 150
4-Nitrophenol	ND		66.2	82.4		ug/L		124	50 - 150
N-Nitrosodimethylamine	ND		33.1	37.7		ug/L		114	50 - 150
N-Nitrosodi-n-propylamine	ND		33.1	33.8		ug/L		102	50 - 150
N-Nitrosodiphenylamine	ND		32.8	29.4		ug/L		89	50 - 150
Pentachlorophenol	ND		66.2	74.9		ug/L		113	50 - 150
Phenol	ND	F1 *+	33.1	52.5	F1	ug/L		159	50 - 150
Pyridine	ND	F1 *+	66.2	127	F1	ug/L		192	50 - 150
Quinoline	ND		49.5	55.4		ug/L		112	50 - 150
2,4,5-Trichlorophenol	ND		33.1	34.0		ug/L		103	50 - 150
2,4,6-Trichlorophenol	ND		33.1	34.2		ug/L		103	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Terphenyl-d14	*48*		*43 - 147*
2-Fluorobiphenyl	*81*		*25 - 139*
2-Fluorophenol	*116*		*10 - 150*
Nitrobenzene-d5	*91*		*22 - 150*
Phenol-d5	*139*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

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

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715567

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		33.1	29.7		ug/L		90	50 - 150	19	40
Aniline	ND		33.1	39.2		ug/L		118	50 - 150	3	40
Acenaphthylene	ND		33.1	31.9		ug/L		96	50 - 150	18	40
Anthracene	ND		33.1	40.9		ug/L		124	50 - 150	16	40
Benzoic acid	ND		213	165		ug/L		78	50 - 150	5	40
Benzo[a]anthracene	ND		33.1	38.3		ug/L		116	50 - 150	19	40
Benzyl alcohol	ND		33.1	42.8		ug/L		129	50 - 150	8	40
Benzo[a]pyrene	ND		33.1	35.0		ug/L		106	50 - 150	13	40
Bis(2-chloroethoxy)methane	ND		33.1	41.0		ug/L		124	50 - 150	12	40
Benzo[b]fluoranthene	ND		33.1	36.5		ug/L		110	50 - 150	13	40
Bis(2-chloroethyl)ether	ND		33.1	34.8		ug/L		105	50 - 150	8	40
Benzo[g,h,i]perylene	ND		33.1	33.2		ug/L		100	50 - 150	13	40
bis (2-chloroisopropyl) ether	ND		33.1	32.4		ug/L		98	50 - 150	8	40
Benzo[k]fluoranthene	ND		33.1	36.9		ug/L		111	50 - 150	11	40
Bis(2-ethylhexyl) phthalate	ND		33.1	32.1		ug/L		97	50 - 150	16	40
4-Bromophenyl phenyl ether	ND		33.1	32.1		ug/L		97	50 - 150	20	40
Chrysene	ND		33.1	37.9		ug/L		114	50 - 150	18	40
Butyl benzyl phthalate	ND		33.1	37.5		ug/L		113	50 - 150	18	40
Dibenz(a,h)anthracene	ND		33.1	34.4		ug/L		104	50 - 150	13	40
4-Chloroaniline	ND		33.1	35.2		ug/L		106	50 - 150	8	40
Fluoranthene	ND		33.1	49.5		ug/L		150	50 - 150	22	40
4-Chloro-3-methylphenol	ND		33.1	45.7		ug/L		138	50 - 150	16	40
Fluorene	ND		33.1	33.7		ug/L		102	50 - 150	20	40
2-Chloronaphthalene	ND		33.1	30.5		ug/L		92	50 - 150	26	40
2-Chlorophenol	ND		33.1	41.8		ug/L		126	50 - 150	12	40
Indeno[1,2,3-cd]pyrene	ND		33.1	33.6		ug/L		101	50 - 150	13	40
1-Methylnaphthalene	ND		33.1	28.9		ug/L		87	50 - 150	14	40
4-Chlorophenyl phenyl ether	ND		33.1	28.2		ug/L		85	50 - 150	21	40
2-Methylnaphthalene	ND		33.1	28.7		ug/L		87	50 - 150	15	40
Dibenz[a,h]acridine	ND		49.5	60.8		ug/L		123	50 - 150	6	40
Dibenzofuran	ND		33.1	37.5		ug/L		113	50 - 150	23	40
3,3'-Dichlorobenzidine	ND		33.1	33.1		ug/L		100	50 - 150	22	40
Phenanthrene	ND		33.1	39.2		ug/L		118	50 - 150	17	40
2,4-Dichlorophenol	ND		33.1	41.6		ug/L		126	50 - 150	19	40
Pyrene	ND	*+ F1	33.1	53.0	F1	ug/L		160	50 - 150	23	40
Diethyl phthalate	ND		33.1	31.6		ug/L		95	50 - 150	33	40
2,4-Dimethylphenol	ND		33.1	41.7		ug/L		126	50 - 150	18	40
Dimethyl phthalate	ND		33.1	36.5		ug/L		110	50 - 150	26	40
Di-n-butyl phthalate	ND		33.1	33.3		ug/L		101	50 - 150	21	40
4,6-Dinitro-ortho-cresol	ND		66.2	77.5		ug/L		117	50 - 150	21	40
2,4-Dinitrophenol	ND		66.2	59.3		ug/L		89	50 - 150	15	40
2,4-Dinitrotoluene	ND		33.1	35.5		ug/L		107	50 - 150	16	40
2,6-Dinitrotoluene	ND		33.1	36.6		ug/L		110	50 - 150	14	40
Di-n-octyl phthalate	ND		33.1	32.2		ug/L		97	50 - 150	18	40
1,4-Dioxane	ND		33.1	35.1		ug/L		106	50 - 150	0	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		33.1	32.1		ug/L		97	50 - 150	21	40
Hexachlorobenzene	ND		33.1	33.2		ug/L		100	50 - 150	17	40
Hexachlorocyclopentadiene	ND		33.1	22.3		ug/L		67	50 - 150	25	40

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

Lab Sample ID: 400-278794-11 MSD
Matrix: Water
Analysis Batch: 715568

Client Sample ID: MW10-ROX-070725
Prep Type: Total/NA
Prep Batch: 715402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	ND		33.1	24.6		ug/L		74	50 - 150	11	40
Indene	ND		49.7	42.3		ug/L		85	50 - 150	0	40
Isophorone	ND		33.1	32.7		ug/L		99	50 - 150	8	40
2-Methylphenol	ND		33.1	46.3		ug/L		140	50 - 150	8	40
3 & 4 Methylphenol	ND	F1	33.1	51.5	F1	ug/L		156	50 - 150	6	40
2-Nitroaniline	ND		33.1	42.0		ug/L		127	50 - 150	17	40
3-Nitroaniline	ND		33.1	34.8		ug/L		105	50 - 150	12	40
4-Nitroaniline	ND		33.1	38.0		ug/L		115	50 - 150	15	40
Nitrobenzene	ND		33.1	33.5		ug/L		101	50 - 150	7	40
2-Nitrophenol	ND		33.1	44.7		ug/L		135	50 - 150	23	40
4-Nitrophenol	ND		66.2	91.6		ug/L		138	50 - 150	11	40
N-Nitrosodimethylamine	ND		33.1	37.7		ug/L		114	50 - 150	0	40
N-Nitrosodi-n-propylamine	ND		33.1	36.7		ug/L		111	50 - 150	8	40
N-Nitrosodiphenylamine	ND		32.8	35.1		ug/L		107	50 - 150	18	40
Pentachlorophenol	ND		66.2	91.5		ug/L		138	50 - 150	20	40
Phenol	ND	F1 *+	33.1	51.9	F1	ug/L		157	50 - 150	1	40
Pyridine	ND	F1 *+	66.2	132	F1	ug/L		199	50 - 150	3	40
Quinoline	ND		49.5	58.5		ug/L		118	50 - 150	5	40
2,4,5-Trichlorophenol	ND		33.1	43.4		ug/L		131	50 - 150	24	40
2,4,6-Trichlorophenol	ND		33.1	43.0		ug/L		130	50 - 150	23	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*51*		*43 - 147*
2-Fluorobiphenyl	*84*		*25 - 139*
2-Fluorophenol	*100*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*51*		*28 - 150*
2,4,6-Tribromophenol	*111*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID
Melissa Remiger	25278
PO #	**GSAP Project ID**
60738191 – 3.3.2	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 7/7/2025

PAGE: ___1___ of __2___

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): S.McLean, M.Massa

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070725-8260-A	7/7/2025	0000	Water	2					2	X			
	TB-ROX-070725-8260SIM-A	7/7/2025	0000	Water	2					2		X		
	MW11-ROX-070725-EB	7/7/2025	0810	Water	6			4		10	X	X	X	X
	MW11-ROX-070725	7/7/2025	1015	Water	6			4		10	X	X	X	X
	MW16-ROX-070725	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW16-ROX-070725-MS	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW16-ROX-070725-MSD	7/7/2025	1110	Water	6			4		10	X	X	X	X
	MW12-ROX-070725	7/7/2025	1225	Water	6			4		10	X	X	X	X

400-278794 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9598 5772/ 4234 9598 5761	7/7/2025	1600
		07/08/25	918

CUSTODY SEALS: 1135106, 1135107, 1135105, 1135104

3.3°C IR10
2.5°C IR10

Version: 19Sept24

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ BGW 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
Melissa Remiger	25278	DATE: 7/7/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM	LOG CODE:	SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA	State: IL
ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA		AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2	
PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell		EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions	PHONE NO.: 314-802-1207
TELEPHONE: 314-429-0100	FAX: 314-429-0462	Bill To Contact E-MAIL: melissa.remiger@aecom.com	
SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins		E-MAIL: melissa.remiger@aecom.com	AECOM Other ID: Roxana 3Q25 Groundwater

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070725-8260-B	7/7/2025	0000	Water	2					2	X			
	TB-ROX-070725-8260SIM-B	7/7/2025	0000	Water	2					2		X		
	MW9-ROX-070725-EB	7/7/2025	08:00	Water	6			4		10	X	X	X	X
	MW9-ROX-070725	7/7/2025	10:05	Water	6			4		10	X	X	X	X
	MW10-ROX-070725	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW10-ROX-070725-MS	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW10-ROX-070725-MSD	7/7/2025	11:15	Water	6			4		10	X	X	X	X
	MW28-ROX-070725	7/7/2025	12:55	Water	6			4		10	X	X	X	X
	MW27-ROX-070725	7/7/2025	13:45	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2	Date: 7/7/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 07/08/25	Time: 918
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278794-1

Login Number: 278794
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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	2.5°C, 3.3°C IR10
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
Job ID: 400-278794-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278870-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/27/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715522/2-A LCSD 400-715522/3-A	SVOCs	Pyridine	**171/181**	6	10-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics**		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method				

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table..

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-070825	VOCs	Acrylonitrile	UJ
MW23-ROX-070825	VOCs	Bromoform	UJ
MW23-ROX-070825	VOCs	Hexachlorobutadiene	UJ
MW23-ROX-070825	VOCs	Chloroethane	UJ
MW23-ROX-070825	VOCs	Trichlorofluoromethane	UJ
MW23-ROX-070825	VOCs	Acrolein	UJ
MW23-ROX-070825	VOCs	Vinyl Acetate	UJ

Method 8270E (SVOCs)

The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-070825	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/22/2025 5:21:51 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278870-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
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Job Narrative
400-278870-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/9/2025 9:50 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 0.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715694 recovered outside acceptance criteria, low biased, for Acrolein, Acrylonitrile, Bromoform, Chloroethane, Chloromethane, Dibromochloromethane, Hexachlorobutadiene, Trichlorofluoromethane and Vinyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: 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-070825-8260-BP (400-278870-1) and MW23-ROX-070825 (400-278870-3). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260D: The initial calibration verification (ICV) analyzed in batch 400-713963 was outside method criteria for the following analyte(s): Chloroethane and Hexachlorobutadiene. 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 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-715522 and analytical batch 400-715729 recovered outside control limits for the following analytes: Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278870-1	TB-ROX-070825-8260-BP	Water	07/08/25 00:00	07/09/25 09:50
400-278870-2	TB-ROX-070825-8260SIM-BP	Water	07/08/25 00:00	07/09/25 09:50
400-278870-3	MW23-ROX-070825	Water	07/08/25 09:30	07/09/25 09:50

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: TB-ROX-070825-8260-BP — Lab Sample ID: 400-278870-1

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-BP — Lab Sample ID: 400-278870-2

No Detections.

Client Sample ID: MW23-ROX-070825 — Lab Sample ID: 400-278870-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.29	J	1.0	0.20	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.2		1.0	0.22	ug/L	1		8260D	Total/NA
Trichloroethene	0.31	J	1.0	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: TB-ROX-070825-8260-BP
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 13:52	1
Acrolein	ND		20	3.3	ug/L			07/11/25 13:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 13:52	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 13:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 13:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 13:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 13:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 13:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 13:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 13:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 13:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 13:52	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 13:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 13:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 13:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 13:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 13:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 13:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 13:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 13:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 13:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 13:52	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 13:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 13:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 13:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 13:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 13:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 13:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 13:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 13:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 13:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 13:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 13:52	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: TB-ROX-070825-8260-BP
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 13:52	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 13:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 13:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 13:52	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 13:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 13:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 13:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 13:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 13:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 13:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 13:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 13:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 13:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 13:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 13:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 13:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/11/25 13:52*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*07/11/25 13:52*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/11/25 13:52*	*1*

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260SIM-BP
Lab Sample ID: 400-278870-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 19:15	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 19:15*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 19:15*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/14/25 19:15*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: MW23-ROX-070825

Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 19:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 19:38*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 19:38*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 19:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/11/25 14:14	1
Acrolein	ND	UJ	20	3.3	ug/L			07/11/25 14:14	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			07/11/25 14:14	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 14:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 14:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Bromoform	ND	UJ	5.0	0.25	ug/L			07/11/25 14:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 14:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 14:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 14:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 14:14	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			07/11/25 14:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 14:14	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 14:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 14:14	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 14:14	1
cis-1,2-Dichloroethene	**0.29**	**J**	1.0	0.20	ug/L			07/11/25 14:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 14:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 14:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 14:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 14:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 14:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 14:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 14:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 14:14	1
Hexachlorobutadiene	ND	UJ	5.0	0.90	ug/L			07/11/25 14:14	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 14:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 14:14	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 14:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 14:14	1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**1.2**		1.0	0.22	ug/L			07/11/25 14:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 14:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 14:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 14:14	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 14:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 14:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/11/25 14:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 14:14	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 14:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 14:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 14:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 14:14	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 14:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 14:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 14:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 14:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 14:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 14:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 14:14	1
Trichloroethene	**0.31**	**J**	1.0	0.15	ug/L			07/11/25 14:14	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/11/25 14:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 14:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 14:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 14:14	1
Vinyl acetate	ND	UJ	25	0.93	ug/L			07/11/25 14:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 14:14	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 14:14*	*1*
Dibromofluoromethane	*115*		*79 - 130*		*07/11/25 14:14*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*07/11/25 14:14*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/09/25 07:00	07/11/25 16:03	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/11/25 16:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/11/25 16:03	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/11/25 16:03	1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/11/25 16:03	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/11/25 16:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 16:03	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/11/25 16:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 16:03	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/11/25 16:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/11/25 16:03	1
Fluorene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/11/25 16:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 16:03	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/11/25 16:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 16:03	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/11/25 16:03	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/11/25 16:03	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/11/25 16:03	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/11/25 16:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 16:03	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/11/25 16:03	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/11/25 16:03	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/11/25 16:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/11/25 16:03	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/11/25 16:03	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/11/25 16:03	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/11/25 16:03	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/11/25 16:03	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/11/25 16:03	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Client Sample ID: MW23-ROX-070825
Date Collected: 07/08/25 09:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278870-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/11/25 16:03	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/11/25 16:03	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/11/25 16:03	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/11/25 16:03	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/11/25 16:03	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/11/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Nitrobenzene-d5	*73*		*50 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Terphenyl-d14	*45*		*43 - 147*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2-Fluorophenol	*85*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Nitrobenzene-d5	*73*		*22 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Phenol-d5	*94*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
Terphenyl-d14	*45*		*28 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*
2,4,6-Tribromophenol	*73*		*10 - 150*	*07/09/25 07:00*	*07/11/25 16:03*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

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, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278870-1	TB-ROX-070825-8260-BP	101	116	101
400-278870-3	MW23-ROX-070825	98	115	98
LCS 400-715694/1002	Lab Control Sample	108	99	100
MB 400-715694/4	Method Blank	98	113	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278870-2	TB-ROX-070825-8260SIM-BP	106	97	100
400-278870-3	MW23-ROX-070825	105	98	101
LCS 400-715943/1004	Lab Control Sample	95	102	105
MB 400-715943/6	Method Blank	103	98	105

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278870-3	MW23-ROX-070825	72	73	45	72	85	73	94	45
LCS 400-715522/2-A	Lab Control Sample	72	75	67	72	95	75	116	67
LCS 400-715522/4-A	Lab Control Sample				75	93	76	109	66
LCSD 400-715522/3-A	Lab Control Sample Dup	79	81	72	79	98	81	119	72
LCSD 400-715522/5-A	Lab Control Sample Dup				78	101	82	118	74
MB 400-715522/1-A	Method Blank	77	79	65	77	68	79	71	65

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-278870-3	MW23-ROX-070825	73
LCS 400-715522/2-A	Lab Control Sample	92
LCS 400-715522/4-A	Lab Control Sample	74
LCSD 400-715522/3-A	Lab Control Sample Dup	93
LCSD 400-715522/5-A	Lab Control Sample Dup	74
MB 400-715522/1-A	Method Blank	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Surrogate Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-BP
Lab Sample ID: 400-278870-1
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 13:52	WPD	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-BP
Lab Sample ID: 400-278870-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 19:15	SRK	EET PEN

Client Sample ID: MW23-ROX-070825
Lab Sample ID: 400-278870-3
Date Collected: 07/08/25 09:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715694	07/11/25 14:14	WPD	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 19:38	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 16:03	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 16:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715522/1-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:03	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715694/4
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	8260D		1	5 mL	5 mL	715694	07/11/25 08:22	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6
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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/2-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:39	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/4-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715694/1002
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	8260D		1	5 mL	5 mL	715694	07/11/25 07:25	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/3-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 14:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:15	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/5-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 15:27	JAW	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278870-1

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 715694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-1	TB-ROX-070825-8260-BP	Total/NA	Water	8260D	
400-278870-3	MW23-ROX-070825	Total/NA	Water	8260D	
MB 400-715694/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715694/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-2	TB-ROX-070825-8260SIM-BP	Total/NA	Water	8260D SIM	
400-278870-3	MW23-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 715522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	3511	
MB 400-715522/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278870-3	MW23-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

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			07/11/25 08:22	1
Acrolein	ND		20	3.3	ug/L			07/11/25 08:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/11/25 08:22	1
Benzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/11/25 08:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Bromoform	ND		5.0	0.25	ug/L			07/11/25 08:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/11/25 08:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/11/25 08:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/11/25 08:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/11/25 08:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/11/25 08:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/11/25 08:22	1
Chloroform	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/11/25 08:22	1
Chloromethane	ND		1.0	0.40	ug/L			07/11/25 08:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/11/25 08:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/11/25 08:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/11/25 08:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/11/25 08:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/11/25 08:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/11/25 08:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/11/25 08:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/11/25 08:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/11/25 08:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/11/25 08:22	1
2-Hexanone	ND		25	4.3	ug/L			07/11/25 08:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/11/25 08:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/11/25 08:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/11/25 08:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/11/25 08:22	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/11/25 08:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/11/25 08:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/11/25 08:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/11/25 08:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/11/25 08:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/11/25 08:22	1

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

Lab Sample ID: MB 400-715694/4
Matrix: Water
Analysis Batch: 715694

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			07/11/25 08:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/11/25 08:22	1
Styrene	ND		1.0	1.0	ug/L			07/11/25 08:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/11/25 08:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/11/25 08:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/11/25 08:22	1
Toluene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/11/25 08:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/11/25 08:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/11/25 08:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/11/25 08:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/11/25 08:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/11/25 08:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/11/25 08:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/11/25 08:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/11/25 08:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/11/25 08:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/11/25 08:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/11/25 08:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/11/25 08:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/11/25 08:22*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*07/11/25 08:22*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/11/25 08:22*	*1*

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	202		ug/L		101	43 - 150
Acrolein	250	163		ug/L		65	38 - 150
Acrylonitrile	500	392		ug/L		78	64 - 142
Benzene	50.0	47.0		ug/L		94	70 - 130
Bromobenzene	50.0	43.8		ug/L		88	70 - 132
Bromochloromethane	50.0	42.0		ug/L		84	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	67 - 133
Bromoform	50.0	35.1		ug/L		70	57 - 140
Bromomethane	25.0	23.8		ug/L		95	10 - 150
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	42.8		ug/L		86	61 - 137
Carbon tetrachloride	50.0	42.9		ug/L		86	61 - 137
Chlorobenzene	50.0	43.3		ug/L		87	70 - 130
Chloroethane	25.0	14.4		ug/L		58	55 - 141
2-Chloroethyl vinyl ether	25.0	20.3		ug/L		81	10 - 150

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

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	44.7		ug/L		89	69 - 130
1-Chlorohexane	50.0	43.1		ug/L		86	69 - 130
Chloromethane	25.0	20.0		ug/L		80	58 - 137
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	69 - 132
Dibromochloromethane	50.0	39.8		ug/L		80	67 - 135
1,2-Dichlorobenzene	50.0	42.5		ug/L		85	67 - 130
1,3-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.0		ug/L		84	70 - 130
Dichlorodifluoromethane	25.0	19.4		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	45.8		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	46.0		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	47.3		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	47.2		ug/L		94	70 - 130
2,2-Dichloropropane	50.0	47.6		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	44.2		ug/L		88	68 - 130
Hexachlorobutadiene	50.0	39.7		ug/L		79	53 - 140
2-Hexanone	200	202		ug/L		101	65 - 137
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 130
Methylene bromide	50.0	43.2		ug/L		86	70 - 130
Methylene Chloride	50.0	45.8		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	69 - 138
Methyl tert-butyl ether	50.0	46.4		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	43.6		ug/L		87	70 - 130
Naphthalene	50.0	44.5		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.5		ug/L		89	67 - 130
N-Propylbenzene	50.0	46.0		ug/L		92	70 - 130
o-Chlorotoluene	50.0	45.5		ug/L		91	70 - 130
o-Xylene	50.0	44.9		ug/L		90	70 - 130
p-Chlorotoluene	50.0	44.2		ug/L		88	70 - 130
p-Isopropyltoluene	50.0	43.0		ug/L		86	65 - 130
sec-Butylbenzene	50.0	44.6		ug/L		89	66 - 130
Styrene	50.0	42.5		ug/L		85	70 - 130
tert-Butylbenzene	50.0	45.1		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	40.6		ug/L		81	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	41.5		ug/L		83	65 - 130
Toluene	50.0	45.0		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	42.0		ug/L		84	60 - 140
1,1,1-Trichloroethane	50.0	46.5		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	70 - 130
Trichloroethene	50.0	44.8		ug/L		90	70 - 130
Trichlorofluoromethane	25.0	18.0		ug/L		72	65 - 138

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

Lab Sample ID: LCS 400-715694/1002
Matrix: Water
Analysis Batch: 715694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	46.1		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 130
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	69 - 130
Vinyl acetate	50.0	39.4		ug/L		79	26 - 150
Vinyl chloride	25.0	22.5		ug/L		90	59 - 136
Xylenes, Total	100	88.5		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/14/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 14:11*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/14/25 14:11*	*1*

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.500	0.457		ug/L		91	50 - 150
1,2-Dibromoethane	0.500	0.519		ug/L		104	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*102*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

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

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/11/25 13:03	1

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

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/11/25 13:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/11/25 13:03	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/11/25 13:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 13:03	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/11/25 13:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/11/25 13:03	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 13:03	1

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

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/11/25 13:03	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/11/25 13:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/11/25 13:03	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/11/25 13:03	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyridine	ND		10	3.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/11/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorophenol	*68*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Phenol-d5	*71*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.4		ug/L		73	29 - 110
Aniline	33.3	33.8		ug/L		101	10 - 134
Acenaphthylene	33.3	25.3		ug/L		76	30 - 112
Anthracene	33.3	31.7		ug/L		95	31 - 120
Benzoic acid	214	139		ug/L		65	10 - 180
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118
Benzyl alcohol	33.3	32.1	J	ug/L		96	10 - 150
Benzo[a]pyrene	33.3	29.4		ug/L		88	29 - 120
Bis(2-chloroethoxy)methane	33.3	31.3		ug/L		94	34 - 120
Benzo[b]fluoranthene	33.3	30.9		ug/L		93	32 - 119
Bis(2-chloroethyl)ether	33.3	26.9		ug/L		81	32 - 114

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

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	26.9		ug/L		81	28 - 115
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	30.6		ug/L		92	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	25.7		ug/L		77	24 - 133
4-Bromophenyl phenyl ether	33.3	27.4		ug/L		82	24 - 120
Chrysene	33.3	30.1		ug/L		90	34 - 113
Butyl benzyl phthalate	33.3	27.3		ug/L		82	24 - 140
Dibenz(a,h)anthracene	33.3	27.3		ug/L		82	29 - 117
4-Chloroaniline	33.3	26.4		ug/L		79	10 - 150
Fluoranthene	33.3	35.3		ug/L		106	30 - 124
4-Chloro-3-methylphenol	33.3	34.8		ug/L		104	10 - 137
Fluorene	33.3	27.8		ug/L		83	30 - 118
2-Chloronaphthalene	33.3	27.4		ug/L		82	10 - 150
2-Chlorophenol	33.3	31.1		ug/L		93	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	26.7		ug/L		80	28 - 115
1-Methylnaphthalene	33.3	22.6		ug/L		68	25 - 120
4-Chlorophenyl phenyl ether	33.3	24.9		ug/L		75	31 - 110
2-Methylnaphthalene	33.3	22.1		ug/L		66	24 - 110
Dibenz[a,h]acridine	49.9	52.7		ug/L		106	40 - 140
Dibenzofuran	33.3	29.9		ug/L		90	35 - 110
3,3'-Dichlorobenzidine	33.3	21.2		ug/L		63	10 - 150
Phenanthrene	33.3	31.3		ug/L		94	32 - 115
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Pyrene	33.3	36.9		ug/L		111	30 - 126
Diethyl phthalate	33.3	22.6		ug/L		68	31 - 118
2,4-Dimethylphenol	33.3	30.4		ug/L		91	10 - 142
Dimethyl phthalate	33.3	25.9		ug/L		78	24 - 125
Di-n-butyl phthalate	33.3	24.7		ug/L		74	30 - 127
4,6-Dinitro-ortho-cresol	66.7	55.1		ug/L		83	10 - 150
2,4-Dinitrophenol	66.7	44.0		ug/L		66	10 - 150
2,4-Dinitrotoluene	33.3	27.4		ug/L		82	30 - 129
2,6-Dinitrotoluene	33.3	28.0		ug/L		84	34 - 132
Di-n-octyl phthalate	33.3	25.5		ug/L		76	28 - 142
1,4-Dioxane	33.3	29.7		ug/L		89	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.4		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113
Hexachlorocyclopentadiene	33.3	13.7	J	ug/L		41	10 - 150
Hexachloroethane	33.3	15.0		ug/L		45	10 - 112
Indene	50.0	39.8		ug/L		80	10 - 113
Isophorone	33.3	25.0		ug/L		75	29 - 125
2-Methylphenol	33.3	35.0		ug/L		105	11 - 121
3 & 4 Methylphenol	33.3	39.6		ug/L		119	10 - 150
2-Nitroaniline	33.3	31.2		ug/L		93	31 - 141
3-Nitroaniline	33.3	26.0		ug/L		78	33 - 136
4-Nitroaniline	33.3	27.9		ug/L		84	37 - 139
Nitrobenzene	33.3	25.5		ug/L		76	29 - 129
2-Nitrophenol	33.3	30.7		ug/L		92	31 - 142
4-Nitrophenol	66.7	68.7		ug/L		103	10 - 150

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

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	31.5		ug/L		94	10 - 136
N-Nitrosodi-n-propylamine	33.3	27.8		ug/L		83	53 - 134
N-Nitrosodiphenylamine	33.1	27.4		ug/L		83	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	43.2		ug/L		130	10 - 150
Pyridine	66.7	114	*+	ug/L		171	10 - 150
Quinoline	49.9	53.8		ug/L		108	50 - 150
2,4,5-Trichlorophenol	33.3	29.7		ug/L		89	27 - 136
2,4,6-Trichlorophenol	33.3	29.9		ug/L		90	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*15 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Terphenyl-d14	*67*		*43 - 147*
2-Fluorobiphenyl	*72*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*75*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*67*		*28 - 150*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCS 400-715522/4-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	42.6		ug/L		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*109*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	24.7		ug/L		74	29 - 110	1	40
Aniline	33.3	34.6		ug/L		104	10 - 134	2	40
Acenaphthylene	33.3	25.6		ug/L		77	30 - 112	1	40
Anthracene	33.3	31.9		ug/L		96	31 - 120	1	40
Benzoic acid	214	147		ug/L		69	10 - 180	5	40
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118	0	40
Benzyl alcohol	33.3	32.6	J	ug/L		98	10 - 150	2	40

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

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	33.3	30.3		ug/L		91	29 - 120	3	40
Bis(2-chloroethoxy)methane	33.3	31.6		ug/L		95	34 - 120	1	40
Benzo[b]fluoranthene	33.3	32.7		ug/L		98	32 - 119	6	40
Bis(2-chloroethyl)ether	33.3	26.7		ug/L		80	32 - 114	1	40
Benzo[g,h,i]perylene	33.3	27.8		ug/L		84	28 - 115	3	40
bis (2-chloroisopropyl) ether	33.3	24.8		ug/L		75	32 - 115	1	40
Benzo[k]fluoranthene	33.3	31.1		ug/L		93	30 - 118	1	40
Bis(2-ethylhexyl) phthalate	33.3	25.8		ug/L		77	24 - 133	0	40
4-Bromophenyl phenyl ether	33.3	27.1		ug/L		81	24 - 120	1	40
Chrysene	33.3	30.0		ug/L		90	34 - 113	0	40
Butyl benzyl phthalate	33.3	25.8		ug/L		77	24 - 140	6	40
Dibenz(a,h)anthracene	33.3	28.0		ug/L		84	29 - 117	2	40
4-Chloroaniline	33.3	27.6		ug/L		83	10 - 150	5	40
Fluoranthene	33.3	35.3		ug/L		106	30 - 124	0	40
4-Chloro-3-methylphenol	33.3	33.3		ug/L		100	10 - 137	4	40
Fluorene	33.3	27.7		ug/L		83	30 - 118	0	40
2-Chloronaphthalene	33.3	23.7		ug/L		71	10 - 150	15	40
2-Chlorophenol	33.3	30.3		ug/L		91	28 - 127	3	40
Indeno[1,2,3-cd]pyrene	33.3	27.7		ug/L		83	28 - 115	4	40
1-Methylnaphthalene	33.3	22.8		ug/L		68	25 - 120	1	40
4-Chlorophenyl phenyl ether	33.3	25.3		ug/L		76	31 - 110	1	40
2-Methylnaphthalene	33.3	22.5		ug/L		67	24 - 110	2	40
Dibenz[a,h]acridine	49.9	55.4		ug/L		111	40 - 140	5	40
Dibenzofuran	33.3	30.4		ug/L		91	35 - 110	2	40
3,3'-Dichlorobenzidine	33.3	21.9		ug/L		66	10 - 150	3	40
Phenanthrene	33.3	31.0		ug/L		93	32 - 115	1	40
2,4-Dichlorophenol	33.3	28.5		ug/L		85	30 - 125	5	40
Pyrene	33.3	36.8		ug/L		110	30 - 126	0	40
Diethyl phthalate	33.3	20.2		ug/L		61	31 - 118	11	40
2,4-Dimethylphenol	33.3	28.5		ug/L		85	10 - 142	7	40
Dimethyl phthalate	33.3	24.9		ug/L		75	24 - 125	4	40
Di-n-butyl phthalate	33.3	22.8		ug/L		68	30 - 127	8	40
4,6-Dinitro-ortho-cresol	66.7	53.7		ug/L		81	10 - 150	3	40
2,4-Dinitrophenol	66.7	42.0		ug/L		63	10 - 150	4	40
2,4-Dinitrotoluene	33.3	28.0		ug/L		84	30 - 129	2	40
2,6-Dinitrotoluene	33.3	28.8		ug/L		86	34 - 132	3	40
Di-n-octyl phthalate	33.3	25.2		ug/L		75	28 - 142	1	40
1,4-Dioxane	33.3	30.7		ug/L		92	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	24.0		ug/L		72	29 - 121	6	40
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113	0	40
Hexachlorocyclopentadiene	33.3	15.1	J	ug/L		45	10 - 150	9	40
Hexachloroethane	33.3	15.2		ug/L		46	10 - 112	1	40
Indene	50.0	39.3		ug/L		79	10 - 113	1	40
Isophorone	33.3	25.3		ug/L		76	29 - 125	1	40
2-Methylphenol	33.3	33.8		ug/L		101	11 - 121	4	40
3 & 4 Methylphenol	33.3	39.1		ug/L		117	10 - 150	1	40
2-Nitroaniline	33.3	31.8		ug/L		95	31 - 141	2	40
3-Nitroaniline	33.3	27.6		ug/L		83	33 - 136	6	40

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

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			33.3	29.2		ug/L		88	37 - 139	4	40
Nitrobenzene			33.3	25.7		ug/L		77	29 - 129	1	40
2-Nitrophenol			33.3	30.1		ug/L		90	31 - 142	2	40
4-Nitrophenol			66.7	70.6		ug/L		106	10 - 150	3	40
N-Nitrosodimethylamine			33.3	32.5		ug/L		97	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	28.6		ug/L		86	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	27.6		ug/L		83	62 - 132	1	40
Pentachlorophenol			66.7	62.5		ug/L		94	14 - 150	4	40
Phenol			33.3	43.4		ug/L		130	10 - 150	0	40
Pyridine			66.7	121	*+	ug/L		181	10 - 150	6	40
Quinoline			49.9	52.6		ug/L		106	50 - 150	2	40
2,4,5-Trichlorophenol			33.3	29.6		ug/L		89	27 - 136	0	40
2,4,6-Trichlorophenol			33.3	29.2		ug/L		87	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*15 - 150*
Nitrobenzene-d5	*81*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*
2-Fluorobiphenyl	*79*		*25 - 139*
2-Fluorophenol	*98*		*10 - 150*
Nitrobenzene-d5	*81*		*22 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*72*		*28 - 150*
2,4,6-Tribromophenol	*93*		*10 - 150*

Lab Sample ID: LCSD 400-715522/5-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*25 - 139*
2-Fluorophenol	*101*		*10 - 150*
Nitrobenzene-d5	*82*		*22 - 150*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW 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
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA	Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-BP	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-BP	7/8/2025	0000	Water	2					2		X		
	MW23-ROX-070825	7/8/2025	0930	Water	6			4		10	X	X	X	X

400-278870 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tony Jones	FEDEX: 7252 0550 4190/ 4234 9598 5739	7/8/2025	1600
		7/9/25	950

Version: 19Sept24

CUSTODY SEALS: 1135100/ 1135101/ 1135102/ 1135103

0.2C 0.0C DRO

Page 32 of 34

7/22/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278870-1

Login Number: 278870
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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	0.2°C, 0.0°C IR10
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
Job ID: 400-278870-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278871-1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/28/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/02/2025

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW3-ROX-070825	SVOCs	Nitrobenzene-d_5	42	50-150
MW5-ROX-070825	SVOCs	Nitrobenzene-d_5	41	50-150

Qualifications due to surrogate recoveries were not required if only one of three base/neutral and/or acid surrogate recoveries were outside evaluation criteria.

Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW6B-ROX-070825 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
MW6B-ROX-070825 MS/MSD	SVOCs	Pyridine	**178/185**	3	10-150/40

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

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW6B-ROX-070825	VOCs	2-Chloroethyl vinyl ether	**UJ**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715522/2-A LCSD 400-715522/3-A	SVOCs	Pyridine	**171/181**	6	10-150/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			

Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8270E (SVOCs)

The initial calibration verification (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-070825	SVOCs	Pyridine	**UJ**
MW1-ROX-070825	SVOCs	Pyridine	**UJ**
MW26-ROX-070825	SVOCs	Pyridine	**UJ**
MW6A-ROX-070825	SVOCs	Pyridine	**UJ**
MW6B-ROX-070825	SVOCs	Pyridine	**UJ**
MW3-ROX-070825	SVOCs	Pyridine	**UJ**
MW5-ROX-070825	SVOCs	Pyridine	**UJ**
ROST3MW-ROX-070825	SVOCs	Pyridine	**UJ**

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			

Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 10:05:04 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278871-1

Reviewed 8/28/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/23/2025 10:05:04 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-278871-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/9/2025 9:50 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 0.2°C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC). The container labels list MW-25, while the COC lists MW-26. Time matched and all other samples accounted for.

GC/MS VOA
Method 8260D: 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-070825-8260-A (400-278871-1), P54-ROX-070825 (400-278871-3), MW1-ROX-070825 (400-278871-4), MW26-ROX-070825 (400-278871-5), MW6A-ROX-070825 (400-278871-6), MW6B-ROX-070825 (400-278871-7), TB-ROX-070825-8260-B (400-278871-8), MW3-ROX-070825 (400-278871-10), MW5-ROX-070825 (400-278871-11) and ROST3MW-ROX-070825 (400-278871-12). 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 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715845 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715845 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715880 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: 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: MW3-ROX-070825 (400-278871-10) and MW5-ROX-070825 (400-278871-11). These results have been reported and qualified.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples

associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-715522 and analytical batch 400-715729 recovered outside control limits for the following analytes: Pyridine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-715522 and analytical batch 400-715729 were outside control limits. Sample matrix interference is suspected.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715881 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278871-1	TB-ROX-070825-8260-A	Water	07/08/25 00:00	07/09/25 09:50
400-278871-2	TB-ROX-070825-8260SIM-A	Water	07/08/25 00:00	07/09/25 09:50
400-278871-3	P54-ROX-070825	Water	07/08/25 09:35	07/09/25 09:50
400-278871-4	MW1-ROX-070825	Water	07/08/25 10:30	07/09/25 09:50
400-278871-5	MW26-ROX-070825	Water	07/08/25 11:50	07/09/25 09:50
400-278871-6	MW6A-ROX-070825	Water	07/08/25 12:40	07/09/25 09:50
400-278871-7	MW6B-ROX-070825	Water	07/08/25 13:15	07/09/25 09:50
400-278871-8	TB-ROX-070825-8260-B	Water	07/08/25 00:00	07/09/25 09:50
400-278871-9	TB-ROX-070825-8260SIM-B	Water	07/08/25 00:00	07/09/25 09:50
400-278871-10	MW3-ROX-070825	Water	07/08/25 11:00	07/09/25 09:50
400-278871-11	MW5-ROX-070825	Water	07/08/25 12:15	07/09/25 09:50
400-278871-12	ROST3MW-ROX-070825	Water	07/08/25 13:30	07/09/25 09:50

Detection Summary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260-A — Lab Sample ID: 400-278871-1

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-A — Lab Sample ID: 400-278871-2

No Detections.

Client Sample ID: P54-ROX-070825 — Lab Sample ID: 400-278871-3

No Detections.

Client Sample ID: MW1-ROX-070825 — Lab Sample ID: 400-278871-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.42	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW26-ROX-070825 — Lab Sample ID: 400-278871-5

No Detections.

Client Sample ID: MW6A-ROX-070825 — Lab Sample ID: 400-278871-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.38	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW6B-ROX-070825 — Lab Sample ID: 400-278871-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.34	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: TB-ROX-070825-8260-B — Lab Sample ID: 400-278871-8

No Detections.

Client Sample ID: TB-ROX-070825-8260SIM-B — Lab Sample ID: 400-278871-9

No Detections.

Client Sample ID: MW3-ROX-070825 — Lab Sample ID: 400-278871-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.30	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: MW5-ROX-070825 — Lab Sample ID: 400-278871-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.6		1.0	0.22	ug/L	1		8260D	Total/NA
tert-Butylbenzene	1.2		1.0	0.63	ug/L	1		8260D	Total/NA

Client Sample ID: ROST3MW-ROX-070825 — Lab Sample ID: 400-278871-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.66	J	1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	3.5	J	5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	0.76	J	1.0	0.69	ug/L	1		8260D	Total/NA
Acenaphthene	0.11	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.099	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.3		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.45		0.20	0.076	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-A
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:08	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:08	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:08	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:08	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:08	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:08	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:08	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:08	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:08	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:08	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:08	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:08	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-A
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:08	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:08	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:08	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:08	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:08	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:08	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 16:08*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 16:08*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 16:08*	*1*

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260SIM-A
Lab Sample ID: 400-278871-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:02	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 20:02*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 20:02*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/14/25 20:02*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: P54-ROX-070825

Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 20:25*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 20:25*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 20:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:49	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:49	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:49	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:49	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:49	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:49	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:49	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:49	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:49	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:49	1

Client Sample ID: P54-ROX-070825
Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:49	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:49	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:49	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:49	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:49	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:49	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:49	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/12/25 16:49*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 16:49*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 16:49*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.081	ug/L		07/09/25 07:00	07/14/25 13:19	1
Aniline	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzenethiol	ND		9.5	0.57	ug/L		07/09/25 07:00	07/14/25 13:19	1
Anthracene	ND		0.19	0.070	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzoic acid	ND		95	76	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[a]anthracene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzyl alcohol	ND		33	29	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-chloroethoxy)methane	ND		9.5	0.32	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[b]fluoranthene	ND		0.19	0.040	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-chloroethyl)ether	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1

Client Sample ID: P54-ROX-070825
Lab Sample ID: 400-278871-3
Date Collected: 07/08/25 09:35
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/14/25 13:19	1
bis (2-chloroisopropyl) ether	ND		9.5	0.89	ug/L		07/09/25 07:00	07/14/25 13:19	1
Benzo[k]fluoranthene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 13:19	1
Bis(2-ethylhexyl) phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Bromophenyl phenyl ether	ND		9.5	0.12	ug/L		07/09/25 07:00	07/14/25 13:19	1
Chrysene	ND		0.19	0.037	ug/L		07/09/25 07:00	07/14/25 13:19	1
Butyl benzyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chloroaniline	ND		9.5	0.27	ug/L		07/09/25 07:00	07/14/25 13:19	1
Fluoranthene	ND		0.19	0.030	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chloro-3-methylphenol	ND		9.5	0.70	ug/L		07/09/25 07:00	07/14/25 13:19	1
Fluorene	ND		0.19	0.083	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Chloronaphthalene	ND		9.5	0.36	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Chlorophenol	ND		9.5	0.80	ug/L		07/09/25 07:00	07/14/25 13:19	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.030	ug/L		07/09/25 07:00	07/14/25 13:19	1
1-Methylnaphthalene	ND		0.19	0.063	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Chlorophenyl phenyl ether	ND		9.5	0.23	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenz[a,h]acridine	ND		9.5	0.66	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dibenzofuran	ND		9.5	0.61	ug/L		07/09/25 07:00	07/14/25 13:19	1
3,3'-Dichlorobenzidine	ND		10	0.39	ug/L		07/09/25 07:00	07/14/25 13:19	1
Phenanthrene	ND		0.19	0.042	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dichlorophenol	ND		9.5	0.54	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pyrene	ND		0.19	0.090	ug/L		07/09/25 07:00	07/14/25 13:19	1
Diethyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dimethylphenol	ND		9.5	0.23	ug/L		07/09/25 07:00	07/14/25 13:19	1
Dimethyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
Di-n-butyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.9	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4-Dinitrotoluene	ND		9.5	0.62	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,6-Dinitrotoluene	ND		9.5	0.28	ug/L		07/09/25 07:00	07/14/25 13:19	1
Di-n-octyl phthalate	ND		9.5	3.8	ug/L		07/09/25 07:00	07/14/25 13:19	1
1,4-Dioxane	ND		9.5	4.1	ug/L		07/09/25 07:00	07/14/25 13:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.89	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachlorobenzene	ND		9.5	0.24	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachlorocyclopentadiene	ND		19	0.30	ug/L		07/09/25 07:00	07/14/25 13:19	1
Hexachloroethane	ND		9.5	0.50	ug/L		07/09/25 07:00	07/14/25 13:19	1
Indene	ND		9.5	0.42	ug/L		07/09/25 07:00	07/14/25 13:19	1
Isophorone	ND		9.5	0.76	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Methylphenol	ND		9.5	0.72	ug/L		07/09/25 07:00	07/14/25 13:19	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Nitroaniline	ND		9.5	1.3	ug/L		07/09/25 07:00	07/14/25 13:19	1
3-Nitroaniline	ND		9.5	0.90	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Nitroaniline	ND		9.5	3.3	ug/L		07/09/25 07:00	07/14/25 13:19	1
Nitrobenzene	ND		9.5	0.57	ug/L		07/09/25 07:00	07/14/25 13:19	1
2-Nitrophenol	ND		9.5	1.1	ug/L		07/09/25 07:00	07/14/25 13:19	1
4-Nitrophenol	ND		9.5	2.6	ug/L		07/09/25 07:00	07/14/25 13:19	1
N-Nitrosodimethylamine	ND		9.5	0.92	ug/L		07/09/25 07:00	07/14/25 13:19	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: P54-ROX-070825
Date Collected: 07/08/25 09:35
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	0.31	ug/L		07/09/25 07:00	07/14/25 13:19	1
N-Nitrosodiphenylamine	ND		9.5	0.18	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pentachlorophenol	ND		9.5	2.7	ug/L		07/09/25 07:00	07/14/25 13:19	1
Phenol	ND		9.5	0.65	ug/L		07/09/25 07:00	07/14/25 13:19	1
Pyridine	ND	*+ UJ	9.5	2.9	ug/L		07/09/25 07:00	07/14/25 13:19	1
Quinoline	ND		9.5	0.48	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4,5-Trichlorophenol	ND		9.5	0.51	ug/L		07/09/25 07:00	07/14/25 13:19	1
2,4,6-Trichlorophenol	ND		9.5	1.0	ug/L		07/09/25 07:00	07/14/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Nitrobenzene-d5	*75*		*50 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2-Fluorophenol	*80*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Nitrobenzene-d5	*75*		*22 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Phenol-d5	*87*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*
2,4,6-Tribromophenol	*79*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:19*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW1-ROX-070825

Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 20:49	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/14/25 20:49*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/14/25 20:49*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 20:49*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:10	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:10	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:10	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:10	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:10	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:10	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:10	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:10	1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.42**	**J**	1.0	0.22	ug/L			07/12/25 17:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:10	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:10	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:10	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:10	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:10	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/12/25 17:10*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/12/25 17:10*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 17:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/09/25 07:00	07/14/25 13:55	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/14/25 13:55	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 13:55	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 13:55	1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/14/25 13:55	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 13:55	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 13:55	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/14/25 13:55	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 13:55	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/14/25 13:55	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 13:55	1
Fluorene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/14/25 13:55	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 13:55	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/14/25 13:55	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 13:55	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/14/25 13:55	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 13:55	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/14/25 13:55	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/14/25 13:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 13:55	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/14/25 13:55	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/14/25 13:55	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/14/25 13:55	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/14/25 13:55	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/14/25 13:55	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 13:55	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/14/25 13:55	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/14/25 13:55	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/14/25 13:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW1-ROX-070825
Date Collected: 07/08/25 10:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/14/25 13:55	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/14/25 13:55	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/14/25 13:55	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/14/25 13:55	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/14/25 13:55	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/14/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2-Fluorophenol	*78*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Phenol-d5	*83*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/14/25 13:55*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW26-ROX-070825

Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:12	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 21:12*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 21:12*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/14/25 21:12*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:31	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:31	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:31	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:31	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:31	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:31	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:31	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:31	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:31	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:31	1

Client Sample ID: MW26-ROX-070825
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 17:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:31	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:31	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:31	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:31	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:31	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:31	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:31	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/12/25 17:31*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/12/25 17:31*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 17:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/14/25 14:31	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 14:31	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 14:31	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 14:31	1

Client Sample ID: MW26-ROX-070825
Date Collected: 07/08/25 11:50
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 14:31	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 14:31	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 14:31	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 14:31	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 14:31	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 14:31	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 14:31	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/14/25 14:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 14:31	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 14:31	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 14:31	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/14/25 14:31	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 14:31	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 14:31	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 14:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 14:31	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 14:31	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 14:31	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/14/25 14:31	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 14:31	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 14:31	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 14:31	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 14:31	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/14/25 14:31	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/14/25 14:31	1

Client Sample ID: MW26-ROX-070825
Lab Sample ID: 400-278871-5
Date Collected: 07/08/25 11:50
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 14:31	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 14:31	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 14:31	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 14:31	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 14:31	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Nitrobenzene-d5	*80*		*22 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Phenol-d5	*115*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*
2,4,6-Tribromophenol	*80*		*10 - 150*	*07/09/25 07:00*	*07/14/25 14:31*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW6A-ROX-070825

Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 21:35*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 21:35*	*1*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/14/25 21:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 17:52	1
Acrolein	ND		20	3.3	ug/L			07/12/25 17:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 17:52	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 17:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 17:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 17:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 17:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 17:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 17:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 17:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 17:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 17:52	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 17:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 17:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 17:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 17:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 17:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 17:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 17:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 17:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 17:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 17:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 17:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 17:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 17:52	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 17:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 17:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 17:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 17:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 17:52	1

Client Sample ID: MW6A-ROX-070825
Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.38**	**J**	1.0	0.22	ug/L			07/12/25 17:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 17:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 17:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 17:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 17:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 17:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 17:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 17:52	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 17:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 17:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 17:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 17:52	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 17:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 17:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 17:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 17:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 17:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 17:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 17:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 17:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 17:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 17:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 17:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 17:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 17:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 17:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/12/25 17:52*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/12/25 17:52*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 17:52*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		07/09/25 07:00	07/14/25 15:07	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 15:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 15:07	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzoic acid	ND		100	81	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 15:07	1

Client Sample ID: MW6A-ROX-070825
Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 15:07	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		07/09/25 07:00	07/14/25 15:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 15:07	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 15:07	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 15:07	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 15:07	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 15:07	1
Fluorene	ND		0.20	0.088	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Chlorophenol	ND		10	0.85	ug/L		07/09/25 07:00	07/14/25 15:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 15:07	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 15:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 15:07	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pyrene	ND		0.20	0.096	ug/L		07/09/25 07:00	07/14/25 15:07	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 15:07	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 15:07	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 15:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 15:07	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 15:07	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 15:07	1
Isophorone	ND		10	0.81	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Methylphenol	ND		10	0.77	ug/L		07/09/25 07:00	07/14/25 15:07	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 15:07	1
3-Nitroaniline	ND		10	0.96	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 15:07	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 15:07	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 15:07	1
4-Nitrophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 15:07	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		07/09/25 07:00	07/14/25 15:07	1

Client Sample ID: MW6A-ROX-070825
Date Collected: 07/08/25 12:40
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 15:07	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 15:07	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 15:07	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 15:07	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 15:07	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Terphenyl-d14	*46*		*43 - 147*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2-Fluorophenol	*104*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Phenol-d5	*118*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
Terphenyl-d14	*46*		*28 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*
2,4,6-Tribromophenol	*83*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW6B-ROX-070825

Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 15:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/15/25 15:17*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 15:17*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/15/25 15:17*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 13:01	1
Acrolein	ND		20	3.3	ug/L			07/12/25 13:01	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 13:01	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 13:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 13:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 13:01	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 13:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 13:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 13:01	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 13:01	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 13:01	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/12/25 13:01	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 13:01	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 13:01	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 13:01	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 13:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 13:01	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 13:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 13:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 13:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 13:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 13:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 13:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 13:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 13:01	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 13:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 13:01	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 13:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 13:01	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.22	ug/L			07/12/25 13:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 13:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 13:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 13:01	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 13:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 13:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 13:01	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 13:01	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 13:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 13:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 13:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 13:01	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 13:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 13:01	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 13:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 13:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 13:01	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 13:01	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 13:01	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 13:01	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 13:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 13:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 13:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 13:01	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 13:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 13:01	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 13:01*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/12/25 13:01*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/12/25 13:01*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.082	ug/L		07/09/25 07:00	07/11/25 19:38	1
Aniline	ND		9.7	0.72	ug/L		07/09/25 07:00	07/11/25 19:38	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzenethiol	ND		9.7	0.58	ug/L		07/09/25 07:00	07/11/25 19:38	1
Anthracene	ND		0.19	0.071	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzoic acid	ND		97	77	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/09/25 07:00	07/11/25 19:38	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/11/25 19:38	1
bis (2-chloroisopropyl) ether	ND		9.7	0.90	ug/L		07/09/25 07:00	07/11/25 19:38	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/11/25 19:38	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/09/25 07:00	07/11/25 19:38	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/11/25 19:38	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/09/25 07:00	07/11/25 19:38	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/09/25 07:00	07/11/25 19:38	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Chlorophenol	ND		9.7	0.81	ug/L		07/09/25 07:00	07/11/25 19:38	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/11/25 19:38	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dibenzofuran	ND		9.7	0.62	ug/L		07/09/25 07:00	07/11/25 19:38	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 07:00	07/11/25 19:38	1
Phenanthrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pyrene	ND		0.19	0.092	ug/L		07/09/25 07:00	07/11/25 19:38	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/09/25 07:00	07/11/25 19:38	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/09/25 07:00	07/11/25 19:38	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/09/25 07:00	07/11/25 19:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.90	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 07:00	07/11/25 19:38	1
Hexachloroethane	ND		9.7	0.51	ug/L		07/09/25 07:00	07/11/25 19:38	1
Indene	ND		9.7	0.43	ug/L		07/09/25 07:00	07/11/25 19:38	1
Isophorone	ND		9.7	0.77	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/09/25 07:00	07/11/25 19:38	1
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/09/25 07:00	07/11/25 19:38	1
3-Nitroaniline	ND		9.7	0.92	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/09/25 07:00	07/11/25 19:38	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/09/25 07:00	07/11/25 19:38	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/11/25 19:38	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/11/25 19:38	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/09/25 07:00	07/11/25 19:38	1

Client Sample ID: MW6B-ROX-070825
Date Collected: 07/08/25 13:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/09/25 07:00	07/11/25 19:38	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/11/25 19:38	1
Phenol	ND		9.7	0.66	ug/L		07/09/25 07:00	07/11/25 19:38	1
Pyridine	ND	*+ FUJ	9.7	2.9	ug/L		07/09/25 07:00	07/11/25 19:38	1
Quinoline	ND		9.7	0.48	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		07/09/25 07:00	07/11/25 19:38	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/11/25 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Terphenyl-d14	*44*		*43 - 147*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2-Fluorobiphenyl	*78*		*25 - 139*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2-Fluorophenol	*93*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Nitrobenzene-d5	*81*		*22 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Phenol-d5	*102*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
Terphenyl-d14	*44*		*28 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*07/09/25 07:00*	*07/11/25 19:38*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-B
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 16:29	1
Acrolein	ND		20	3.3	ug/L			07/12/25 16:29	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 16:29	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 16:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 16:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 16:29	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 16:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 16:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 16:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 16:29	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 16:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 16:29	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 16:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 16:29	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 16:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 16:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 16:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 16:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 16:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 16:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 16:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 16:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 16:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 16:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 16:29	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 16:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 16:29	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 16:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 16:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 16:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 16:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 16:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 16:29	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 16:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 16:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 16:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: TB-ROX-070825-8260-B
Date Collected: 07/08/25 00:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 16:29	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 16:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 16:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 16:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 16:29	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 16:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 16:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 16:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 16:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 16:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 16:29	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 16:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 16:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 16:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 16:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 16:29	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 16:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 16:29	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/12/25 16:29*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/12/25 16:29*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 16:29*	*1*

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070825-8260SIM-B
Lab Sample ID: 400-278871-9
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 18:28	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/14/25 18:28*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 18:28*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 18:28*	*1*

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW3-ROX-070825
Lab Sample ID: 400-278871-10
Date Collected: 07/08/25 11:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 21:59	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*50 - 150*		*07/14/25 21:59*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 21:59*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/14/25 21:59*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 18:33	1
Acrolein	ND		20	3.3	ug/L			07/12/25 18:33	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 18:33	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 18:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 18:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 18:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 18:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 18:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 18:33	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 18:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 18:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 18:33	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 18:33	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 18:33	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 18:33	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 18:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 18:33	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 18:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 18:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 18:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 18:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 18:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 18:33	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 18:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 18:33	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 18:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 18:33	1

Client Sample ID: MW3-ROX-070825
Date Collected: 07/08/25 11:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.22	ug/L			07/12/25 18:33	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 18:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 18:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 18:33	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 18:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 18:33	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 18:33	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 18:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 18:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 18:33	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:33	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 18:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 18:33	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 18:33	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 18:33	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 18:33	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 18:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 18:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 18:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 18:33	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 18:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 18:33	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/12/25 18:33*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/12/25 18:33*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 18:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.083	ug/L		07/09/25 07:00	07/14/25 15:44	1
Aniline	ND		9.7	0.72	ug/L		07/09/25 07:00	07/14/25 15:44	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzenethiol	ND		9.7	0.58	ug/L		07/09/25 07:00	07/14/25 15:44	1
Anthracene	ND		0.19	0.071	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzoic acid	ND		97	78	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzyl alcohol	ND		34	29	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/09/25 07:00	07/14/25 15:44	1

Client Sample ID: MW3-ROX-070825
Lab Sample ID: 400-278871-10
Date Collected: 07/08/25 11:00
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/09/25 07:00	07/14/25 15:44	1
bis (2-chloroisopropyl) ether	ND		9.7	0.90	ug/L		07/09/25 07:00	07/14/25 15:44	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/09/25 07:00	07/14/25 15:44	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/09/25 07:00	07/14/25 15:44	1
Chrysene	ND		0.19	0.038	ug/L		07/09/25 07:00	07/14/25 15:44	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/09/25 07:00	07/14/25 15:44	1
Fluoranthene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/09/25 07:00	07/14/25 15:44	1
Fluorene	ND		0.19	0.084	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Chlorophenol	ND		9.7	0.82	ug/L		07/09/25 07:00	07/14/25 15:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/09/25 07:00	07/14/25 15:44	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dibenzofuran	ND		9.7	0.62	ug/L		07/09/25 07:00	07/14/25 15:44	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/09/25 07:00	07/14/25 15:44	1
Phenanthrene	ND		0.19	0.043	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pyrene	ND		0.19	0.092	ug/L		07/09/25 07:00	07/14/25 15:44	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/09/25 07:00	07/14/25 15:44	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/09/25 07:00	07/14/25 15:44	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/09/25 07:00	07/14/25 15:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.90	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/09/25 07:00	07/14/25 15:44	1
Hexachloroethane	ND		9.7	0.51	ug/L		07/09/25 07:00	07/14/25 15:44	1
Indene	ND		9.7	0.43	ug/L		07/09/25 07:00	07/14/25 15:44	1
Isophorone	ND		9.7	0.78	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/09/25 07:00	07/14/25 15:44	1
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/09/25 07:00	07/14/25 15:44	1
3-Nitroaniline	ND		9.7	0.92	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/09/25 07:00	07/14/25 15:44	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/09/25 07:00	07/14/25 15:44	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/14/25 15:44	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/14/25 15:44	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/09/25 07:00	07/14/25 15:44	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW3-ROX-070825
Date Collected: 07/08/25 11:00
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/09/25 07:00	07/14/25 15:44	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/09/25 07:00	07/14/25 15:44	1
Phenol	ND		9.7	0.66	ug/L		07/09/25 07:00	07/14/25 15:44	1
Pyridine	ND	*+ UJ	9.7	2.9	ug/L		07/09/25 07:00	07/14/25 15:44	1
Quinoline	ND		9.7	0.49	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		07/09/25 07:00	07/14/25 15:44	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/09/25 07:00	07/14/25 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Nitrobenzene-d5	*42*	*S1-*	*50 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Terphenyl-d14	*45*		*43 - 147*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2-Fluorophenol	*93*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Nitrobenzene-d5	*42*		*22 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Phenol-d5	*109*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
Terphenyl-d14	*45*		*28 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*07/09/25 07:00*	*07/14/25 15:44*	*1*

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 22:22	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/14/25 22:22*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/14/25 22:22*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/14/25 22:22*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 18:54	1
Acrolein	ND		20	3.3	ug/L			07/12/25 18:54	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 18:54	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 18:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 18:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 18:54	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 18:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 18:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 18:54	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 18:54	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 18:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 18:54	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 18:54	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 18:54	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 18:54	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 18:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 18:54	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 18:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 18:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 18:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 18:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 18:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 18:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 18:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 18:54	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 18:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 18:54	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 18:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 18:54	1

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**2.6**		1.0	0.22	ug/L			07/12/25 18:54	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 18:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 18:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 18:54	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 18:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 18:54	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 18:54	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 18:54	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 18:54	1
tert-Butylbenzene	**1.2**		1.0	0.63	ug/L			07/12/25 18:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 18:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 18:54	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 18:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 18:54	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 18:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 18:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 18:54	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 18:54	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 18:54	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 18:54	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 18:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 18:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 18:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 18:54	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 18:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 18:54	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/12/25 18:54*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/12/25 18:54*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/12/25 18:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/14/25 16:20	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/14/25 16:20	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 16:20	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 16:20	1

Client Sample ID: MW5-ROX-070825
Lab Sample ID: 400-278871-11
Date Collected: 07/08/25 12:15
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/14/25 16:20	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 16:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:20	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/14/25 16:20	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 16:20	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/14/25 16:20	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/14/25 16:20	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/14/25 16:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:20	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/14/25 16:20	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 16:20	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/14/25 16:20	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/14/25 16:20	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/14/25 16:20	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/14/25 16:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 16:20	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/14/25 16:20	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/14/25 16:20	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/14/25 16:20	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/14/25 16:20	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/14/25 16:20	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/14/25 16:20	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/14/25 16:20	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/14/25 16:20	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/14/25 16:20	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: MW5-ROX-070825
Date Collected: 07/08/25 12:15
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/14/25 16:20	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/14/25 16:20	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/14/25 16:20	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/09/25 07:00	07/14/25 16:20	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/14/25 16:20	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/14/25 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Nitrobenzene-d5	*41*	*S1-*	*50 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Terphenyl-d14	*48*		*43 - 147*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2-Fluorophenol	*82*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Nitrobenzene-d5	*41*		*22 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Phenol-d5	*92*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
Terphenyl-d14	*48*		*28 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:20*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Client Sample ID: ROST3MW-ROX-070825

Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 22:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*50 - 150*		*07/14/25 22:46*	*1*
Toluene-d8 (Surr)	*105*		*50 - 150*		*07/14/25 22:46*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/14/25 22:46*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/12/25 19:15	1
Acrolein	ND		20	3.3	ug/L			07/12/25 19:15	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 19:15	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 19:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 19:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 19:15	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 19:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 19:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 19:15	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 19:15	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 19:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 19:15	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 19:15	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 19:15	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 19:15	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 19:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 19:15	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 19:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 19:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 19:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 19:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 19:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 19:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 19:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 19:15	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 19:15	1
Isopropylbenzene	**0.66**	**J**	1.0	0.53	ug/L			07/12/25 19:15	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 19:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 19:15	1

Client Sample ID: ROST3MW-ROX-070825
Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 19:15	1
m-Xylene & p-Xylene	**3.5**	**J**	5.0	3.0	ug/L			07/12/25 19:15	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 19:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 19:15	1
N-Propylbenzene	**0.76**	**J**	1.0	0.69	ug/L			07/12/25 19:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 19:15	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 19:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 19:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/12/25 19:15	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 19:15	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 19:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 19:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 19:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 19:15	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 19:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 19:15	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 19:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 19:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 19:15	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 19:15	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 19:15	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 19:15	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 19:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 19:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 19:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 19:15	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 19:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 19:15	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*07/12/25 19:15*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*07/12/25 19:15*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/12/25 19:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.11**	**J**	0.20	0.084	ug/L		07/09/25 07:00	07/14/25 16:56	1
Aniline	ND		9.9	0.73	ug/L		07/09/25 07:00	07/14/25 16:56	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzenethiol	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 16:56	1
Anthracene	ND		0.20	0.072	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzoic acid	ND		99	79	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 16:56	1

Client Sample ID: ROST3MW-ROX-070825
Date Collected: 07/08/25 13:30
Date Received: 07/09/25 09:50

Lab Sample ID: 400-278871-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/09/25 07:00	07/14/25 16:56	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 16:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/14/25 16:56	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/09/25 07:00	07/14/25 16:56	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/14/25 16:56	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/09/25 07:00	07/14/25 16:56	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/09/25 07:00	07/14/25 16:56	1
Fluorene	**0.099**	**J**	0.20	0.086	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/09/25 07:00	07/14/25 16:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/14/25 16:56	1
1-Methylnaphthalene	**1.3**		0.20	0.065	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Methylnaphthalene	**0.45**		0.20	0.076	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/09/25 07:00	07/14/25 16:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/14/25 16:56	1
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pyrene	ND		0.20	0.094	ug/L		07/09/25 07:00	07/14/25 16:56	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/09/25 07:00	07/14/25 16:56	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/09/25 07:00	07/14/25 16:56	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/09/25 07:00	07/14/25 16:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/14/25 16:56	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/09/25 07:00	07/14/25 16:56	1
Indene	ND		9.9	0.44	ug/L		07/09/25 07:00	07/14/25 16:56	1
Isophorone	ND		9.9	0.79	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/09/25 07:00	07/14/25 16:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/09/25 07:00	07/14/25 16:56	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/09/25 07:00	07/14/25 16:56	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/09/25 07:00	07/14/25 16:56	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/09/25 07:00	07/14/25 16:56	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/09/25 07:00	07/14/25 16:56	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/09/25 07:00	07/14/25 16:56	1

Client Sample ID: ROST3MW-ROX-070825
Lab Sample ID: 400-278871-12
Date Collected: 07/08/25 13:30
Matrix: Water
Date Received: 07/09/25 09:50

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/09/25 07:00	07/14/25 16:56	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/09/25 07:00	07/14/25 16:56	1
Phenol	ND		9.9	0.67	ug/L		07/09/25 07:00	07/14/25 16:56	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/09/25 07:00	07/14/25 16:56	1
Quinoline	ND		9.9	0.50	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/09/25 07:00	07/14/25 16:56	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/09/25 07:00	07/14/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2-Fluorobiphenyl	*84*		*25 - 139*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2-Fluorophenol	*96*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Phenol-d5	*104*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*
2,4,6-Tribromophenol	*89*		*10 - 150*	*07/09/25 07:00*	*07/14/25 16:56*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, 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.
S1-	Surrogate recovery exceeds control limits, low 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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278871-1	TB-ROX-070825-8260-A	101	104	102
400-278871-3	P54-ROX-070825	102	104	103
400-278871-4	MW1-ROX-070825	100	104	102
400-278871-5	MW26-ROX-070825	104	103	103
400-278871-6	MW6A-ROX-070825	100	102	102
400-278871-7	MW6B-ROX-070825	101	105	103
400-278871-7 MS	MW6B-ROX-070825	98	95	103
400-278871-7 MSD	MW6B-ROX-070825	103	94	102
400-278871-8	TB-ROX-070825-8260-B	102	103	104
400-278871-10	MW3-ROX-070825	103	101	104
400-278871-11	MW5-ROX-070825	101	102	102
400-278871-12	ROST3MW-ROX-070825	105	97	104
LCS 400-715845/1002	Lab Control Sample	100	95	100
MB 400-715845/4	Method Blank	108	100	105

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278871-2	TB-ROX-070825-8260SIM-A	105	98	103
400-278871-3	P54-ROX-070825	106	98	102
400-278871-4	MW1-ROX-070825	105	99	102
400-278871-5	MW26-ROX-070825	106	98	102
400-278871-6	MW6A-ROX-070825	106	97	98
400-278871-7	MW6B-ROX-070825	106	97	101
400-278871-7 MS	MW6B-ROX-070825	104	98	101
400-278871-7 MSD	MW6B-ROX-070825	104	99	101
400-278871-9	TB-ROX-070825-8260SIM-B	106	97	101
400-278871-10	MW3-ROX-070825	102	97	101
400-278871-11	MW5-ROX-070825	100	97	104
400-278871-12	ROST3MW-ROX-070825	96	105	104
LCS 400-715943/1004	Lab Control Sample	95	102	105
LCS 400-716033/1004	Lab Control Sample	98	99	101
MB 400-715943/6	Method Blank	103	98	105
MB 400-716033/5	Method Blank	104	98	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278871-3	P54-ROX-070825	72	75	51	72	80	75	87	51
400-278871-4	MW1-ROX-070825	79	85	61	79	78	85	83	61
400-278871-5	MW26-ROX-070825	77	80	51	77	100	80	115	51
400-278871-6	MW6A-ROX-070825	76	83	46	76	104	83	118	46
400-278871-7	MW6B-ROX-070825	78	81	44	78	93	81	102	44
400-278871-7 MS	MW6B-ROX-070825	80	86	48	80	116	86	140	48
400-278871-7 MSD	MW6B-ROX-070825	87	94	47	87	102	94	126	47
400-278871-10	MW3-ROX-070825	77	42 S1-	45	77	93	42	109	45
400-278871-11	MW5-ROX-070825	72	41 S1-	48	72	82	41	92	48
400-278871-12	ROST3MW-ROX-070825	84	87	58	84	96	87	104	58
LCS 400-715522/2-A	Lab Control Sample	72	75	67	72	95	75	116	67
LCS 400-715522/4-A	Lab Control Sample				75	93	76	109	66
LCSD 400-715522/3-A	Lab Control Sample Dup	79	81	72	79	98	81	119	72
LCSD 400-715522/5-A	Lab Control Sample Dup				78	101	82	118	74
MB 400-715522/1-A	Method Blank	77	79	65	77	68	79	71	65

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-278871-3	P54-ROX-070825	79							
400-278871-4	MW1-ROX-070825	77							
400-278871-5	MW26-ROX-070825	80							
400-278871-6	MW6A-ROX-070825	83							
400-278871-7	MW6B-ROX-070825	75							
400-278871-7 MS	MW6B-ROX-070825	109							
400-278871-7 MSD	MW6B-ROX-070825	95							
400-278871-10	MW3-ROX-070825	71							
400-278871-11	MW5-ROX-070825	76							
400-278871-12	ROST3MW-ROX-070825	89							
LCS 400-715522/2-A	Lab Control Sample	92							
LCS 400-715522/4-A	Lab Control Sample	74							
LCSD 400-715522/3-A	Lab Control Sample Dup	93							
LCSD 400-715522/5-A	Lab Control Sample Dup	74							
MB 400-715522/1-A	Method Blank	77							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278871-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-070825-8260-A
Lab Sample ID: 400-278871-1
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:08	BPO	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-A
Lab Sample ID: 400-278871-2
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:02	SRK	EET PEN

Client Sample ID: P54-ROX-070825
Lab Sample ID: 400-278871-3
Date Collected: 07/08/25 09:35
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:49	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:25	SRK	EET PEN
Total/NA	Prep	3511			31.5 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 13:19	JAW	EET PEN
Total/NA	Prep	3511			31.5 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 13:19	JAW	EET PEN

Client Sample ID: MW1-ROX-070825
Lab Sample ID: 400-278871-4
Date Collected: 07/08/25 10:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:10	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 20:49	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 13:55	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 13:55	JAW	EET PEN

Client Sample ID: MW26-ROX-070825
Lab Sample ID: 400-278871-5
Date Collected: 07/08/25 11:50
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:31	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:12	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 14:31	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 14:31	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6A-ROX-070825
Lab Sample ID: 400-278871-6
Date Collected: 07/08/25 12:40
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 17:52	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:35	SRK	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 15:07	JAW	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 15:07	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 13:01	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 15:17	NMB	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 19:38	JAW	EET PEN

Client Sample ID: TB-ROX-070825-8260-B
Lab Sample ID: 400-278871-8
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 16:29	BPO	EET PEN

Client Sample ID: TB-ROX-070825-8260SIM-B
Lab Sample ID: 400-278871-9
Date Collected: 07/08/25 00:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 18:28	SRK	EET PEN

Client Sample ID: MW3-ROX-070825
Lab Sample ID: 400-278871-10
Date Collected: 07/08/25 11:00
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 18:33	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 21:59	SRK	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 15:44	JAW	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 15:44	JAW	EET PEN

Client Sample ID: MW5-ROX-070825
Lab Sample ID: 400-278871-11

Date Collected: 07/08/25 12:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 18:54	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 22:22	SRK	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 16:20	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 16:20	JAW	EET PEN

Client Sample ID: ROST3MW-ROX-070825
Lab Sample ID: 400-278871-12

Date Collected: 07/08/25 13:30
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 19:15	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	715943	07/14/25 22:46	SRK	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 16:56	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 16:56	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715522/1-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:03	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:03	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715845/4

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	8260D		1	5 mL	5 mL	715845	07/12/25 12:40	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715943/6

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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 14:11	SRK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716033/5
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	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:46	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/2-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 13:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 13:39	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715522/4-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715845/1002
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	8260D		1	5 mL	5 mL	715845	07/12/25 11:39	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715943/1004
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	8260D SIM		1	5 mL	5 mL	715943	07/14/25 13:08	SRK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716033/1004
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	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:08	NMB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/3-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 14:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 14:15	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715522/5-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	3511			30 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 15:27	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7 MS
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 15:05	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 15:41	NMB	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 20:14	JAW	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 20:14	JAW	EET PEN

Client Sample ID: MW6B-ROX-070825
Lab Sample ID: 400-278871-7 MSD
Date Collected: 07/08/25 13:15
Matrix: Water
Date Received: 07/09/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715845	07/12/25 15:26	BPO	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 16:04	NMB	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 20:50	JAW	EET PEN
Total/NA	Prep	3511			31 mL	2 mL	715522	07/09/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 20:50	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-1	TB-ROX-070825-8260-A	Total/NA	Water	8260D	
400-278871-3	P54-ROX-070825	Total/NA	Water	8260D	
400-278871-4	MW1-ROX-070825	Total/NA	Water	8260D	
400-278871-5	MW26-ROX-070825	Total/NA	Water	8260D	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8260D	
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8260D	
400-278871-8	TB-ROX-070825-8260-B	Total/NA	Water	8260D	
400-278871-10	MW3-ROX-070825	Total/NA	Water	8260D	
400-278871-11	MW5-ROX-070825	Total/NA	Water	8260D	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8260D	
MB 400-715845/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715845/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8260D	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8260D	

Analysis Batch: 715943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-2	TB-ROX-070825-8260SIM-A	Total/NA	Water	8260D SIM	
400-278871-3	P54-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-4	MW1-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-5	MW26-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-9	TB-ROX-070825-8260SIM-B	Total/NA	Water	8260D SIM	
400-278871-10	MW3-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-11	MW5-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-715943/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-715943/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8260D SIM	
MB 400-716033/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716033/1004	Lab Control Sample	Total/NA	Water	8260D SIM	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8260D SIM	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Prep Batch: 715522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	3511	
400-278871-4	MW1-ROX-070825	Total/NA	Water	3511	
400-278871-5	MW26-ROX-070825	Total/NA	Water	3511	
400-278871-6	MW6A-ROX-070825	Total/NA	Water	3511	
400-278871-7	MW6B-ROX-070825	Total/NA	Water	3511	
400-278871-10	MW3-ROX-070825	Total/NA	Water	3511	
400-278871-11	MW5-ROX-070825	Total/NA	Water	3511	
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	3511	
MB 400-715522/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	3511	
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	3511	

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8270E	715522
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-7	MW6B-ROX-070825	Total/NA	Water	8270E	715522
MB 400-715522/1-A	Method Blank	Total/NA	Water	8270E	715522
LCS 400-715522/2-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCS 400-715522/4-A	Lab Control Sample	Total/NA	Water	8270E	715522
LCSD 400-715522/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
LCSD 400-715522/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715522
400-278871-7 MS	MW6B-ROX-070825	Total/NA	Water	8270E	715522
400-278871-7 MSD	MW6B-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	8270E	715522
400-278871-4	MW1-ROX-070825	Total/NA	Water	8270E	715522
400-278871-5	MW26-ROX-070825	Total/NA	Water	8270E	715522
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8270E	715522
400-278871-10	MW3-ROX-070825	Total/NA	Water	8270E	715522
400-278871-11	MW5-ROX-070825	Total/NA	Water	8270E	715522
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8270E	715522

Analysis Batch: 715881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278871-3	P54-ROX-070825	Total/NA	Water	8270E	715522
400-278871-4	MW1-ROX-070825	Total/NA	Water	8270E	715522
400-278871-5	MW26-ROX-070825	Total/NA	Water	8270E	715522
400-278871-6	MW6A-ROX-070825	Total/NA	Water	8270E	715522
400-278871-10	MW3-ROX-070825	Total/NA	Water	8270E	715522
400-278871-11	MW5-ROX-070825	Total/NA	Water	8270E	715522
400-278871-12	ROST3MW-ROX-070825	Total/NA	Water	8270E	715522

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715845/4
Matrix: Water
Analysis Batch: 715845

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			07/12/25 12:40	1
Acrolein	ND		20	3.3	ug/L			07/12/25 12:40	1
Acrylonitrile	ND		10	2.8	ug/L			07/12/25 12:40	1
Benzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Bromobenzene	ND		1.0	0.54	ug/L			07/12/25 12:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/12/25 12:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Bromoform	ND		5.0	0.25	ug/L			07/12/25 12:40	1
Bromomethane	ND		1.0	0.98	ug/L			07/12/25 12:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/12/25 12:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/12/25 12:40	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/12/25 12:40	1
Chloroethane	ND		1.0	0.76	ug/L			07/12/25 12:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/12/25 12:40	1
Chloroform	ND		1.0	0.90	ug/L			07/12/25 12:40	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/12/25 12:40	1
Chloromethane	ND		1.0	0.40	ug/L			07/12/25 12:40	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/12/25 12:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/12/25 12:40	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/12/25 12:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/12/25 12:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/12/25 12:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/12/25 12:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/12/25 12:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/12/25 12:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/12/25 12:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/12/25 12:40	1
2-Hexanone	ND		25	4.3	ug/L			07/12/25 12:40	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/12/25 12:40	1
Methylene bromide	ND		5.0	0.22	ug/L			07/12/25 12:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/12/25 12:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/12/25 12:40	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/12/25 12:40	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
Naphthalene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/12/25 12:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/12/25 12:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/12/25 12:40	1
o-Xylene	ND		5.0	3.0	ug/L			07/12/25 12:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/12/25 12:40	1

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

Lab Sample ID: MB 400-715845/4
Matrix: Water
Analysis Batch: 715845

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			07/12/25 12:40	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/12/25 12:40	1
Styrene	ND		1.0	1.0	ug/L			07/12/25 12:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/12/25 12:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/12/25 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/12/25 12:40	1
Toluene	ND		1.0	0.90	ug/L			07/12/25 12:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/12/25 12:40	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/12/25 12:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/12/25 12:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/12/25 12:40	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/12/25 12:40	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/12/25 12:40	1
Trichloroethene	ND		1.0	0.15	ug/L			07/12/25 12:40	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/12/25 12:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/12/25 12:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/12/25 12:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/12/25 12:40	1
Vinyl acetate	ND		25	0.93	ug/L			07/12/25 12:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/12/25 12:40	1
Xylenes, Total	ND		10	6.0	ug/L			07/12/25 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*07/12/25 12:40*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*07/12/25 12:40*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*07/12/25 12:40*	*1*

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	251		ug/L		126	43 - 150
Acrolein	500	485		ug/L		97	38 - 150
Acrylonitrile	500	512		ug/L		102	64 - 142
Benzene	50.0	52.2		ug/L		104	70 - 130
Bromobenzene	50.0	49.9		ug/L		100	70 - 132
Bromochloromethane	50.0	48.1		ug/L		96	70 - 130
Bromodichloromethane	50.0	49.4		ug/L		99	67 - 133
Bromoform	50.0	48.1		ug/L		96	57 - 140
Bromomethane	50.0	38.7		ug/L		77	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	47.2		ug/L		94	61 - 137
Carbon tetrachloride	50.0	48.0		ug/L		96	61 - 137
Chlorobenzene	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	40.2		ug/L		80	55 - 141
2-Chloroethyl vinyl ether	50.0	51.5		ug/L		103	10 - 150

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

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	47.5		ug/L		95	69 - 130
1-Chlorohexane	50.0	56.6		ug/L		113	69 - 130
Chloromethane	50.0	43.5		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	56.4		ug/L		113	68 - 130
cis-1,3-Dichloropropene	50.0	51.7		ug/L		103	69 - 132
Dibromochloromethane	50.0	50.5		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	51.4		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	53.9		ug/L		108	70 - 130
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	42.7		ug/L		85	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	47.9		ug/L		96	63 - 134
1,2-Dichloropropane	50.0	51.8		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	47.3		ug/L		95	52 - 135
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	53.5		ug/L		107	70 - 130
Ethyl methacrylate	50.0	55.3		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	51.4		ug/L		103	53 - 140
2-Hexanone	200	272		ug/L		136	65 - 137
Isopropylbenzene	50.0	53.3		ug/L		107	70 - 130
Methylene bromide	50.0	48.4		ug/L		97	70 - 130
Methylene Chloride	50.0	43.5		ug/L		87	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.6		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	53.2		ug/L		106	70 - 130
Naphthalene	50.0	51.9		ug/L		104	47 - 149
n-Butylbenzene	50.0	57.6		ug/L		115	67 - 130
N-Propylbenzene	50.0	54.3		ug/L		109	70 - 130
o-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
o-Xylene	50.0	52.7		ug/L		105	70 - 130
p-Chlorotoluene	50.0	53.8		ug/L		108	70 - 130
p-Isopropyltoluene	50.0	55.2		ug/L		110	65 - 130
sec-Butylbenzene	50.0	55.2		ug/L		110	66 - 130
Styrene	50.0	51.8		ug/L		104	70 - 130
tert-Butylbenzene	50.0	52.5		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	67 - 131
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	70 - 131
Tetrachloroethene	50.0	55.3		ug/L		111	65 - 130
Toluene	50.0	52.1		ug/L		104	70 - 130
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	54.0		ug/L		108	63 - 130
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 138
1,2,4-Trichlorobenzene	50.0	49.1		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	68 - 130
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	43.0		ug/L		86	65 - 138

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

Lab Sample ID: LCS 400-715845/1002
Matrix: Water
Analysis Batch: 715845

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	53.0		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	50.0	55.2		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	56.3		ug/L		113	69 - 130
Vinyl acetate	100	93.7		ug/L		94	26 - 150
Vinyl chloride	50.0	47.0		ug/L		94	59 - 136
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	91.3		ug/L		46	43 - 150
Acrolein	ND		500	508		ug/L		102	38 - 150
Acrylonitrile	ND		500	543		ug/L		109	62 - 149
Benzene	ND		50.0	52.7		ug/L		105	56 - 142
Bromobenzene	ND		50.0	46.6		ug/L		93	59 - 136
Bromochloromethane	ND		50.0	49.8		ug/L		100	64 - 140
Bromodichloromethane	ND		50.0	49.3		ug/L		99	59 - 143
Bromoform	ND		50.0	48.0		ug/L		96	50 - 140
Bromomethane	ND		50.0	38.2		ug/L		76	10 - 150
2-Butanone (MEK)	ND		200	137		ug/L		69	55 - 150
Carbon disulfide	ND		50.0	47.3		ug/L		95	48 - 150
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145
Chlorobenzene	ND		50.0	50.9		ug/L		102	64 - 130
Chloroethane	ND		50.0	39.3		ug/L		79	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	49.5		ug/L		99	60 - 141
1-Chlorohexane	ND		50.0	50.2		ug/L		100	56 - 136
Chloromethane	ND		50.0	43.7		ug/L		87	49 - 148
cis-1,2-Dichloroethene	ND		50.0	48.8		ug/L		98	59 - 143
cis-1,3-Dichloropropene	ND		50.0	50.9		ug/L		102	57 - 140
Dibromochloromethane	ND		50.0	51.5		ug/L		103	56 - 143
1,2-Dichlorobenzene	ND		50.0	48.4		ug/L		97	52 - 137
1,3-Dichlorobenzene	ND		50.0	45.5		ug/L		91	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.0		ug/L		96	53 - 135
Dichlorodifluoromethane	ND		50.0	41.6		ug/L		83	16 - 150
1,1-Dichloroethane	ND		50.0	50.4		ug/L		101	61 - 144
1,2-Dichloroethane	ND		50.0	51.1		ug/L		102	60 - 141
1,1-Dichloroethene	ND		50.0	48.9		ug/L		98	54 - 147
1,2-Dichloropropane	ND		50.0	53.2		ug/L		106	66 - 137
1,3-Dichloropropane	ND		50.0	54.9		ug/L		110	66 - 133
2,2-Dichloropropane	ND		50.0	45.5		ug/L		91	42 - 144

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

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
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	49.1		ug/L		98	65 - 136
Ethylbenzene	ND		50.0	49.7		ug/L		99	58 - 131
Ethyl methacrylate	ND		50.0	56.5		ug/L		113	64 - 130
Hexachlorobutadiene	ND		50.0	38.7		ug/L		77	31 - 149
2-Hexanone	ND		200	176		ug/L		88	65 - 140
Isopropylbenzene	ND		50.0	47.1		ug/L		94	56 - 133
Methylene bromide	ND		50.0	49.5		ug/L		99	63 - 138
Methylene Chloride	ND		50.0	45.3		ug/L		91	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	218		ug/L		109	63 - 146
Methyl tert-butyl ether	0.34	J	50.0	50.6		ug/L		101	59 - 137
m-Xylene & p-Xylene	ND		50.0	48.8		ug/L		98	57 - 130
Naphthalene	ND		50.0	50.4		ug/L		101	25 - 150
n-Butylbenzene	ND		50.0	46.8		ug/L		94	41 - 142
N-Propylbenzene	ND		50.0	46.4		ug/L		93	51 - 138
o-Chlorotoluene	ND		50.0	46.3		ug/L		93	53 - 134
o-Xylene	ND		50.0	49.4		ug/L		99	61 - 130
p-Chlorotoluene	ND		50.0	47.1		ug/L		94	54 - 133
p-Isopropyltoluene	ND		50.0	45.3		ug/L		91	48 - 139
sec-Butylbenzene	ND		50.0	45.2		ug/L		90	50 - 138
Styrene	ND		50.0	49.0		ug/L		98	58 - 131
tert-Butylbenzene	ND		50.0	45.3		ug/L		91	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.1		ug/L		102	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	54.6		ug/L		109	66 - 135
Tetrachloroethene	ND		50.0	44.8		ug/L		90	52 - 133
Toluene	ND		50.0	51.4		ug/L		103	65 - 130
trans-1,2-Dichloroethene	ND		50.0	48.9		ug/L		98	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.7		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	44.5		ug/L		89	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	42.5		ug/L		85	39 - 148
1,1,1-Trichloroethane	ND		50.0	47.3		ug/L		95	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.3		ug/L		109	66 - 131
Trichloroethene	ND		50.0	46.3		ug/L		93	64 - 136
Trichlorofluoromethane	ND		50.0	43.6		ug/L		87	54 - 150
1,2,3-Trichloropropane	ND		50.0	55.3		ug/L		111	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	48.3		ug/L		97	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	48.4		ug/L		97	52 - 135
Vinyl acetate	ND		100	94.2		ug/L		94	26 - 150
Vinyl chloride	ND		50.0	46.6		ug/L		93	46 - 150
Xylenes, Total	ND		100	98.2		ug/L		98	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
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	96.2		ug/L		48	43 - 150	5	30
Acrolein	ND		500	504		ug/L		101	38 - 150	1	31
Acrylonitrile	ND		500	565		ug/L		113	62 - 149	4	30
Benzene	ND		50.0	53.9		ug/L		108	56 - 142	2	30
Bromobenzene	ND		50.0	47.8		ug/L		96	59 - 136	2	30
Bromochloromethane	ND		50.0	49.9		ug/L		100	64 - 140	0	30
Bromodichloromethane	ND		50.0	50.9		ug/L		102	59 - 143	3	30
Bromoform	ND		50.0	50.7		ug/L		101	50 - 140	5	30
Bromomethane	ND		50.0	41.0		ug/L		82	10 - 150	7	50
2-Butanone (MEK)	ND		200	141		ug/L		71	55 - 150	3	30
Carbon disulfide	ND		50.0	49.2		ug/L		98	48 - 150	4	30
Carbon tetrachloride	ND		50.0	48.5		ug/L		97	55 - 145	3	30
Chlorobenzene	ND		50.0	50.1		ug/L		100	64 - 130	2	30
Chloroethane	ND		50.0	42.9		ug/L		86	50 - 150	9	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	50.0		ug/L		100	60 - 141	1	30
1-Chlorohexane	ND		50.0	49.4		ug/L		99	56 - 136	2	30
Chloromethane	ND		50.0	45.0		ug/L		90	49 - 148	3	31
cis-1,2-Dichloroethene	ND		50.0	50.5		ug/L		101	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	57 - 140	3	30
Dibromochloromethane	ND		50.0	52.0		ug/L		104	56 - 143	1	30
1,2-Dichlorobenzene	ND		50.0	47.4		ug/L		95	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	44.4		ug/L		89	54 - 135	2	30
1,4-Dichlorobenzene	ND		50.0	46.7		ug/L		93	53 - 135	3	30
Dichlorodifluoromethane	ND		50.0	42.3		ug/L		85	16 - 150	2	31
1,1-Dichloroethane	ND		50.0	52.0		ug/L		104	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	51.1		ug/L		102	60 - 141	0	30
1,1-Dichloroethene	ND		50.0	50.1		ug/L		100	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	54.7		ug/L		109	66 - 137	3	30
1,3-Dichloropropane	ND		50.0	55.6		ug/L		111	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	46.8		ug/L		94	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	51.6		ug/L		103	65 - 136	5	30
Ethylbenzene	ND		50.0	49.1		ug/L		98	58 - 131	1	30
Ethyl methacrylate	ND		50.0	61.0		ug/L		122	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	36.7		ug/L		73	31 - 149	5	36
2-Hexanone	ND		200	196		ug/L		98	65 - 140	10	30
Isopropylbenzene	ND		50.0	45.4		ug/L		91	56 - 133	4	30
Methylene bromide	ND		50.0	50.2		ug/L		100	63 - 138	1	30
Methylene Chloride	ND		50.0	47.7		ug/L		95	60 - 146	5	32
4-Methyl-2-pentanone (MIBK)	ND		200	231		ug/L		116	63 - 146	6	30
Methyl tert-butyl ether	0.34	J	50.0	53.5		ug/L		106	59 - 137	5	30
m-Xylene & p-Xylene	ND		50.0	47.6		ug/L		95	57 - 130	2	30
Naphthalene	ND		50.0	53.0		ug/L		106	25 - 150	5	30
n-Butylbenzene	ND		50.0	43.3		ug/L		87	41 - 142	8	31
N-Propylbenzene	ND		50.0	45.6		ug/L		91	51 - 138	2	30
o-Chlorotoluene	ND		50.0	45.8		ug/L		92	53 - 134	1	30
o-Xylene	ND		50.0	48.1		ug/L		96	61 - 130	3	30
p-Chlorotoluene	ND		50.0	46.8		ug/L		94	54 - 133	1	30

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

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715845

Client Sample ID: MW6B-ROX-070825
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	43.4		ug/L		87	48 - 139	4	30
sec-Butylbenzene	ND		50.0	44.1		ug/L		88	50 - 138	3	30
Styrene	ND		50.0	47.3		ug/L		95	58 - 131	4	30
tert-Butylbenzene	ND		50.0	45.0		ug/L		90	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	51.0		ug/L		102	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	59.7		ug/L		119	66 - 135	9	30
Tetrachloroethene	ND		50.0	44.9		ug/L		90	52 - 133	0	30
Toluene	ND		50.0	52.0		ug/L		104	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	50.8		ug/L		102	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	55.4		ug/L		111	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	44.9		ug/L		90	43 - 145	1	30
1,2,4-Trichlorobenzene	ND		50.0	42.3		ug/L		85	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	48.7		ug/L		97	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	55.3		ug/L		111	66 - 131	2	30
Trichloroethene	ND		50.0	47.7		ug/L		95	64 - 136	3	30
Trichlorofluoromethane	ND		50.0	42.5		ug/L		85	54 - 150	3	30
1,2,3-Trichloropropane	ND		50.0	59.5		ug/L		119	65 - 133	7	30
1,2,4-Trimethylbenzene	ND		50.0	47.6		ug/L		95	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	48.0		ug/L		96	52 - 135	1	30
Vinyl acetate	ND		100	97.0		ug/L		97	26 - 150	3	33
Vinyl chloride	ND		50.0	46.8		ug/L		94	46 - 150	1	30
Xylenes, Total	ND		100	95.7		ug/L		96	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-715943/6
Matrix: Water
Analysis Batch: 715943

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/14/25 14:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/14/25 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/14/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/14/25 14:11*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/14/25 14:11*	*1*

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

Lab Sample ID: LCS 400-715943/1004
Matrix: Water
Analysis Batch: 715943

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.457		ug/L		91	50 - 150		
1,2-Dibromoethane			0.500	0.519		ug/L		104	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*102*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

Lab Sample ID: MB 400-716033/5
Matrix: Water
Analysis Batch: 716033

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/15/25 11:46*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 11:46*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 11:46*	*1*

Lab Sample ID: LCS 400-716033/1004
Matrix: Water
Analysis Batch: 716033

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.448		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.502		ug/L		100	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 716033

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.500	0.511		ug/L		102	50 - 150		
1,2-Dibromoethane	ND		0.500	0.495		ug/L		99	50 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*98*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

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

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 716033

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA

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		0.500	0.577		ug/L		115	50 - 150	12	50
1,2-Dibromoethane	ND		0.500	0.573		ug/L		115	50 - 150	15	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*104*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

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

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/09/25 07:00	07/11/25 13:03	1
Aniline	ND		10	0.74	ug/L		07/09/25 07:00	07/11/25 13:03	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzenethiol	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
Anthracene	ND		0.20	0.073	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzoic acid	ND		100	80	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzyl alcohol	ND		35	30	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/09/25 07:00	07/11/25 13:03	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/09/25 07:00	07/11/25 13:03	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/09/25 07:00	07/11/25 13:03	1
Chrysene	ND		0.20	0.039	ug/L		07/09/25 07:00	07/11/25 13:03	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloroaniline	ND		10	0.28	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluoranthene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/09/25 07:00	07/11/25 13:03	1
Fluorene	ND		0.20	0.087	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Chlorophenol	ND		10	0.84	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/09/25 07:00	07/11/25 13:03	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dibenzofuran	ND		10	0.64	ug/L		07/09/25 07:00	07/11/25 13:03	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/09/25 07:00	07/11/25 13:03	1

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

Lab Sample ID: MB 400-715522/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyrene	ND		0.20	0.095	ug/L		07/09/25 07:00	07/11/25 13:03	1
Diethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/09/25 07:00	07/11/25 13:03	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/09/25 07:00	07/11/25 13:03	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,4-Dioxane	ND		10	4.3	ug/L		07/09/25 07:00	07/11/25 13:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/09/25 07:00	07/11/25 13:03	1
Hexachloroethane	ND		10	0.53	ug/L		07/09/25 07:00	07/11/25 13:03	1
Indene	ND		10	0.44	ug/L		07/09/25 07:00	07/11/25 13:03	1
Isophorone	ND		10	0.80	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Methylphenol	ND		10	0.76	ug/L		07/09/25 07:00	07/11/25 13:03	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitroaniline	ND		10	1.4	ug/L		07/09/25 07:00	07/11/25 13:03	1
3-Nitroaniline	ND		10	0.95	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitroaniline	ND		10	3.5	ug/L		07/09/25 07:00	07/11/25 13:03	1
Nitrobenzene	ND		10	0.60	ug/L		07/09/25 07:00	07/11/25 13:03	1
2-Nitrophenol	ND		10	1.2	ug/L		07/09/25 07:00	07/11/25 13:03	1
4-Nitrophenol	ND		10	2.7	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/09/25 07:00	07/11/25 13:03	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pentachlorophenol	ND		10	2.8	ug/L		07/09/25 07:00	07/11/25 13:03	1
Phenol	ND		10	0.68	ug/L		07/09/25 07:00	07/11/25 13:03	1
Pyridine	ND		10	3.0	ug/L		07/09/25 07:00	07/11/25 13:03	1
Quinoline	ND		10	0.50	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/09/25 07:00	07/11/25 13:03	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/09/25 07:00	07/11/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*50 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2-Fluorophenol	*68*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Nitrobenzene-d5	*79*		*22 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Phenol-d5	*71*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*07/09/25 07:00*	*07/11/25 13:03*	*1*

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

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	24.4		ug/L		73	29 - 110
Aniline	33.3	33.8		ug/L		101	10 - 134
Acenaphthylene	33.3	25.3		ug/L		76	30 - 112
Anthracene	33.3	31.7		ug/L		95	31 - 120
Benzoic acid	214	139		ug/L		65	10 - 180
Benzo[a]anthracene	33.3	30.9		ug/L		93	36 - 118
Benzyl alcohol	33.3	32.1	J	ug/L		96	10 - 150
Benzo[a]pyrene	33.3	29.4		ug/L		88	29 - 120
Bis(2-chloroethoxy)methane	33.3	31.3		ug/L		94	34 - 120
Benzo[b]fluoranthene	33.3	30.9		ug/L		93	32 - 119
Bis(2-chloroethyl)ether	33.3	26.9		ug/L		81	32 - 114
Benzo[g,h,i]perylene	33.3	26.9		ug/L		81	28 - 115
bis (2-chloroisopropyl) ether	33.3	25.0		ug/L		75	32 - 115
Benzo[k]fluoranthene	33.3	30.6		ug/L		92	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	25.7		ug/L		77	24 - 133
4-Bromophenyl phenyl ether	33.3	27.4		ug/L		82	24 - 120
Chrysene	33.3	30.1		ug/L		90	34 - 113
Butyl benzyl phthalate	33.3	27.3		ug/L		82	24 - 140
Dibenz(a,h)anthracene	33.3	27.3		ug/L		82	29 - 117
4-Chloroaniline	33.3	26.4		ug/L		79	10 - 150
Fluoranthene	33.3	35.3		ug/L		106	30 - 124
4-Chloro-3-methylphenol	33.3	34.8		ug/L		104	10 - 137
Fluorene	33.3	27.8		ug/L		83	30 - 118
2-Chloronaphthalene	33.3	27.4		ug/L		82	10 - 150
2-Chlorophenol	33.3	31.1		ug/L		93	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	26.7		ug/L		80	28 - 115
1-Methylnaphthalene	33.3	22.6		ug/L		68	25 - 120
4-Chlorophenyl phenyl ether	33.3	24.9		ug/L		75	31 - 110
2-Methylnaphthalene	33.3	22.1		ug/L		66	24 - 110
Dibenz[a,h]acridine	49.9	52.7		ug/L		106	40 - 140
Dibenzofuran	33.3	29.9		ug/L		90	35 - 110
3,3'-Dichlorobenzidine	33.3	21.2		ug/L		63	10 - 150
Phenanthrene	33.3	31.3		ug/L		94	32 - 115
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Pyrene	33.3	36.9		ug/L		111	30 - 126
Diethyl phthalate	33.3	22.6		ug/L		68	31 - 118
2,4-Dimethylphenol	33.3	30.4		ug/L		91	10 - 142
Dimethyl phthalate	33.3	25.9		ug/L		78	24 - 125
Di-n-butyl phthalate	33.3	24.7		ug/L		74	30 - 127
4,6-Dinitro-ortho-cresol	66.7	55.1		ug/L		83	10 - 150
2,4-Dinitrophenol	66.7	44.0		ug/L		66	10 - 150
2,4-Dinitrotoluene	33.3	27.4		ug/L		82	30 - 129
2,6-Dinitrotoluene	33.3	28.0		ug/L		84	34 - 132
Di-n-octyl phthalate	33.3	25.5		ug/L		76	28 - 142
1,4-Dioxane	33.3	29.7		ug/L		89	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	25.4		ug/L		76	29 - 121
Hexachlorobenzene	33.3	26.9		ug/L		81	29 - 113
Hexachlorocyclopentadiene	33.3	13.7	J	ug/L		41	10 - 150

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

Lab Sample ID: LCS 400-715522/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	33.3	15.0		ug/L		45	10 - 112
Indene	50.0	39.8		ug/L		80	10 - 113
Isophorone	33.3	25.0		ug/L		75	29 - 125
2-Methylphenol	33.3	35.0		ug/L		105	11 - 121
3 & 4 Methylphenol	33.3	39.6		ug/L		119	10 - 150
2-Nitroaniline	33.3	31.2		ug/L		93	31 - 141
3-Nitroaniline	33.3	26.0		ug/L		78	33 - 136
4-Nitroaniline	33.3	27.9		ug/L		84	37 - 139
Nitrobenzene	33.3	25.5		ug/L		76	29 - 129
2-Nitrophenol	33.3	30.7		ug/L		92	31 - 142
4-Nitrophenol	66.7	68.7		ug/L		103	10 - 150
N-Nitrosodimethylamine	33.3	31.5		ug/L		94	10 - 136
N-Nitrosodi-n-propylamine	33.3	27.8		ug/L		83	53 - 134
N-Nitrosodiphenylamine	33.1	27.4		ug/L		83	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	43.2		ug/L		130	10 - 150
Pyridine	66.7	114	*+	ug/L		171	10 - 150
Quinoline	49.9	53.8		ug/L		108	50 - 150
2,4,5-Trichlorophenol	33.3	29.7		ug/L		89	27 - 136
2,4,6-Trichlorophenol	33.3	29.9		ug/L		90	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*15 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Terphenyl-d14	*67*		*43 - 147*
2-Fluorobiphenyl	*72*		*25 - 139*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*75*		*22 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*67*		*28 - 150*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCS 400-715522/4-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	42.6		ug/L		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*76*		*22 - 150*
Phenol-d5	*109*		*10 - 150*
Terphenyl-d14	*66*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

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

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	24.7		ug/L		74	29 - 110	1	40
Aniline			33.3	34.6		ug/L		104	10 - 134	2	40
Acenaphthylene			33.3	25.6		ug/L		77	30 - 112	1	40
Anthracene			33.3	31.9		ug/L		96	31 - 120	1	40
Benzoic acid			214	147		ug/L		69	10 - 180	5	40
Benzo[a]anthracene			33.3	30.9		ug/L		93	36 - 118	0	40
Benzyl alcohol			33.3	32.6	J	ug/L		98	10 - 150	2	40
Benzo[a]pyrene			33.3	30.3		ug/L		91	29 - 120	3	40
Bis(2-chloroethoxy)methane			33.3	31.6		ug/L		95	34 - 120	1	40
Benzo[b]fluoranthene			33.3	32.7		ug/L		98	32 - 119	6	40
Bis(2-chloroethyl)ether			33.3	26.7		ug/L		80	32 - 114	1	40
Benzo[g,h,i]perylene			33.3	27.8		ug/L		84	28 - 115	3	40
bis (2-chloroisopropyl) ether			33.3	24.8		ug/L		75	32 - 115	1	40
Benzo[k]fluoranthene			33.3	31.1		ug/L		93	30 - 118	1	40
Bis(2-ethylhexyl) phthalate			33.3	25.8		ug/L		77	24 - 133	0	40
4-Bromophenyl phenyl ether			33.3	27.1		ug/L		81	24 - 120	1	40
Chrysene			33.3	30.0		ug/L		90	34 - 113	0	40
Butyl benzyl phthalate			33.3	25.8		ug/L		77	24 - 140	6	40
Dibenz(a,h)anthracene			33.3	28.0		ug/L		84	29 - 117	2	40
4-Chloroaniline			33.3	27.6		ug/L		83	10 - 150	5	40
Fluoranthene			33.3	35.3		ug/L		106	30 - 124	0	40
4-Chloro-3-methylphenol			33.3	33.3		ug/L		100	10 - 137	4	40
Fluorene			33.3	27.7		ug/L		83	30 - 118	0	40
2-Chloronaphthalene			33.3	23.7		ug/L		71	10 - 150	15	40
2-Chlorophenol			33.3	30.3		ug/L		91	28 - 127	3	40
Indeno[1,2,3-cd]pyrene			33.3	27.7		ug/L		83	28 - 115	4	40
1-Methylnaphthalene			33.3	22.8		ug/L		68	25 - 120	1	40
4-Chlorophenyl phenyl ether			33.3	25.3		ug/L		76	31 - 110	1	40
2-Methylnaphthalene			33.3	22.5		ug/L		67	24 - 110	2	40
Dibenz[a,h]acridine			49.9	55.4		ug/L		111	40 - 140	5	40
Dibenzofuran			33.3	30.4		ug/L		91	35 - 110	2	40
3,3'-Dichlorobenzidine			33.3	21.9		ug/L		66	10 - 150	3	40
Phenanthrene			33.3	31.0		ug/L		93	32 - 115	1	40
2,4-Dichlorophenol			33.3	28.5		ug/L		85	30 - 125	5	40
Pyrene			33.3	36.8		ug/L		110	30 - 126	0	40
Diethyl phthalate			33.3	20.2		ug/L		61	31 - 118	11	40
2,4-Dimethylphenol			33.3	28.5		ug/L		85	10 - 142	7	40
Dimethyl phthalate			33.3	24.9		ug/L		75	24 - 125	4	40
Di-n-butyl phthalate			33.3	22.8		ug/L		68	30 - 127	8	40
4,6-Dinitro-ortho-cresol			66.7	53.7		ug/L		81	10 - 150	3	40
2,4-Dinitrophenol			66.7	42.0		ug/L		63	10 - 150	4	40
2,4-Dinitrotoluene			33.3	28.0		ug/L		84	30 - 129	2	40
2,6-Dinitrotoluene			33.3	28.8		ug/L		86	34 - 132	3	40
Di-n-octyl phthalate			33.3	25.2		ug/L		75	28 - 142	1	40
1,4-Dioxane			33.3	30.7		ug/L		92	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	24.0		ug/L		72	29 - 121	6	40
Hexachlorobenzene			33.3	26.9		ug/L		81	29 - 113	0	40
Hexachlorocyclopentadiene			33.3	15.1	J	ug/L		45	10 - 150	9	40

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

Lab Sample ID: LCSD 400-715522/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	15.2		ug/L		46	10 - 112	1	40
Indene			50.0	39.3		ug/L		79	10 - 113	1	40
Isophorone			33.3	25.3		ug/L		76	29 - 125	1	40
2-Methylphenol			33.3	33.8		ug/L		101	11 - 121	4	40
3 & 4 Methylphenol			33.3	39.1		ug/L		117	10 - 150	1	40
2-Nitroaniline			33.3	31.8		ug/L		95	31 - 141	2	40
3-Nitroaniline			33.3	27.6		ug/L		83	33 - 136	6	40
4-Nitroaniline			33.3	29.2		ug/L		88	37 - 139	4	40
Nitrobenzene			33.3	25.7		ug/L		77	29 - 129	1	40
2-Nitrophenol			33.3	30.1		ug/L		90	31 - 142	2	40
4-Nitrophenol			66.7	70.6		ug/L		106	10 - 150	3	40
N-Nitrosodimethylamine			33.3	32.5		ug/L		97	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	28.6		ug/L		86	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	27.6		ug/L		83	62 - 132	1	40
Pentachlorophenol			66.7	62.5		ug/L		94	14 - 150	4	40
Phenol			33.3	43.4		ug/L		130	10 - 150	0	40
Pyridine			66.7	121	*+	ug/L		181	10 - 150	6	40
Quinoline			49.9	52.6		ug/L		106	50 - 150	2	40
2,4,5-Trichlorophenol			33.3	29.6		ug/L		89	27 - 136	0	40
2,4,6-Trichlorophenol			33.3	29.2		ug/L		87	21 - 132	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*15 - 150*
Nitrobenzene-d5	*81*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*
2-Fluorobiphenyl	*79*		*25 - 139*
2-Fluorophenol	*98*		*10 - 150*
Nitrobenzene-d5	*81*		*22 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*72*		*28 - 150*
2,4,6-Tribromophenol	*93*		*10 - 150*

Lab Sample ID: LCSD 400-715522/5-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*25 - 139*
2-Fluorophenol	*101*		*10 - 150*
Nitrobenzene-d5	*82*		*22 - 150*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*74*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

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

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.4	23.7		ug/L		73	50 - 150
Aniline	ND		32.4	32.7		ug/L		101	50 - 150
Acenaphthylene	ND		32.4	24.6		ug/L		76	50 - 150
Anthracene	ND		32.4	30.6		ug/L		94	50 - 150
Benzoic acid	ND		208	288		ug/L		138	50 - 150
Benzo[a]anthracene	ND		32.4	25.1		ug/L		78	50 - 150
Benzyl alcohol	ND		32.4	31.5	J	ug/L		97	50 - 150
Benzo[a]pyrene	ND		32.4	24.9		ug/L		77	50 - 150
Bis(2-chloroethoxy)methane	ND		32.4	30.4		ug/L		94	50 - 150
Benzo[b]fluoranthene	ND		32.4	27.1		ug/L		84	50 - 150
Bis(2-chloroethyl)ether	ND		32.4	26.6		ug/L		82	50 - 150
Benzo[g,h,i]perylene	ND		32.4	22.4		ug/L		69	50 - 150
bis (2-chloroisopropyl) ether	ND		32.4	24.8		ug/L		77	50 - 150
Benzo[k]fluoranthene	ND		32.4	25.4		ug/L		79	50 - 150
Bis(2-ethylhexyl) phthalate	ND		32.4	22.4		ug/L		69	50 - 150
4-Bromophenyl phenyl ether	ND		32.4	26.1		ug/L		81	50 - 150
Chrysene	ND		32.4	24.5		ug/L		76	50 - 150
Butyl benzyl phthalate	ND		32.4	26.0		ug/L		80	50 - 150
Dibenz(a,h)anthracene	ND		32.4	23.4		ug/L		72	50 - 150
4-Chloroaniline	ND		32.4	27.7		ug/L		86	50 - 150
Fluoranthene	ND		32.4	31.8		ug/L		98	50 - 150
4-Chloro-3-methylphenol	ND		32.4	32.2		ug/L		99	50 - 150
Fluorene	ND		32.4	26.5		ug/L		82	50 - 150
2-Chloronaphthalene	ND		32.4	23.7		ug/L		73	50 - 150
2-Chlorophenol	ND		32.4	29.5		ug/L		91	50 - 150
Indeno[1,2,3-cd]pyrene	ND		32.4	22.7		ug/L		70	50 - 150
1-Methylnaphthalene	ND		32.4	22.6		ug/L		70	50 - 150
4-Chlorophenyl phenyl ether	ND		32.4	23.2		ug/L		72	50 - 150
2-Methylnaphthalene	ND		32.4	22.5		ug/L		69	50 - 150
Dibenz[a,h]acridine	ND		48.4	44.7		ug/L		92	50 - 150
Dibenzofuran	ND		32.4	28.5		ug/L		88	50 - 150
3,3'-Dichlorobenzidine	ND		32.4	20.8		ug/L		64	50 - 150
Phenanthrene	ND		32.4	29.6		ug/L		91	50 - 150
2,4-Dichlorophenol	ND		32.4	27.9		ug/L		86	50 - 150
Pyrene	ND		32.4	32.9		ug/L		102	50 - 150
Diethyl phthalate	ND		32.4	19.8		ug/L		61	50 - 150
2,4-Dimethylphenol	ND		32.4	28.5		ug/L		88	50 - 150
Dimethyl phthalate	ND		32.4	23.0		ug/L		71	50 - 150
Di-n-butyl phthalate	ND		32.4	23.4		ug/L		72	50 - 150
4,6-Dinitro-ortho-cresol	ND		64.7	53.4		ug/L		82	50 - 150
2,4-Dinitrophenol	ND		64.7	47.3		ug/L		73	50 - 150
2,4-Dinitrotoluene	ND		32.4	26.3		ug/L		81	50 - 150
2,6-Dinitrotoluene	ND		32.4	27.2		ug/L		84	50 - 150
Di-n-octyl phthalate	ND		32.4	21.7		ug/L		67	50 - 150
1,4-Dioxane	ND		32.4	29.1		ug/L		90	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.4	24.2		ug/L		75	50 - 150
Hexachlorobenzene	ND		32.4	24.8		ug/L		77	50 - 150
Hexachlorocyclopentadiene	ND		32.4	17.8	J	ug/L		55	50 - 150

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

Lab Sample ID: 400-278871-7 MS
Matrix: Water
Analysis Batch: 715729

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	ND		32.4	18.0		ug/L		56	50 - 150
Indene	ND		48.5	42.0		ug/L		87	50 - 150
Isophorone	ND		32.4	24.9		ug/L		77	50 - 150
2-Methylphenol	ND		32.4	33.0		ug/L		102	50 - 150
3 & 4 Methylphenol	ND		32.4	39.3		ug/L		121	50 - 150
2-Nitroaniline	ND		32.4	30.0		ug/L		93	50 - 150
3-Nitroaniline	ND		32.4	27.1		ug/L		84	50 - 150
4-Nitroaniline	ND		32.4	28.3		ug/L		88	50 - 150
Nitrobenzene	ND		32.4	25.0		ug/L		77	50 - 150
2-Nitrophenol	ND		32.4	28.4		ug/L		88	50 - 150
4-Nitrophenol	ND		64.7	66.0		ug/L		102	50 - 150
N-Nitrosodimethylamine	ND		32.4	31.5		ug/L		97	50 - 150
N-Nitrosodi-n-propylamine	ND		32.4	27.6		ug/L		85	50 - 150
N-Nitrosodiphenylamine	ND		32.1	25.8		ug/L		80	50 - 150
Pentachlorophenol	ND		64.7	65.4		ug/L		101	50 - 150
Phenol	ND		32.4	43.3		ug/L		134	50 - 150
Pyridine	ND	*+ F1	64.7	115	F1	ug/L		178	50 - 150
Quinoline	ND		48.4	49.0		ug/L		101	50 - 150
2,4,5-Trichlorophenol	ND		32.4	28.0		ug/L		86	50 - 150
2,4,6-Trichlorophenol	ND		32.4	27.4		ug/L		85	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*48*		*43 - 147*
2-Fluorobiphenyl	*80*		*25 - 139*
2-Fluorophenol	*116*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*140*		*10 - 150*
Terphenyl-d14	*48*		*28 - 150*
2,4,6-Tribromophenol	*109*		*10 - 150*

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.3	24.8		ug/L		77	50 - 150	4	40
Aniline	ND		32.3	33.5		ug/L		104	50 - 150	2	40
Acenaphthylene	ND		32.3	25.6		ug/L		79	50 - 150	4	40
Anthracene	ND		32.3	31.5		ug/L		98	50 - 150	3	40
Benzoic acid	ND		207	259		ug/L		125	50 - 150	10	40
Benzo[a]anthracene	ND		32.3	28.0		ug/L		87	50 - 150	11	40
Benzyl alcohol	ND		32.3	33.1	J	ug/L		103	50 - 150	5	40
Benzo[a]pyrene	ND		32.3	26.4		ug/L		82	50 - 150	6	40
Bis(2-chloroethoxy)methane	ND		32.3	31.4		ug/L		97	50 - 150	3	40
Benzo[b]fluoranthene	ND		32.3	28.5		ug/L		88	50 - 150	5	40
Bis(2-chloroethyl)ether	ND		32.3	27.5		ug/L		85	50 - 150	3	40

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

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715728

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	ND		32.3	24.2		ug/L		75	50 - 150	8	40
bis (2-chloroisopropyl) ether	ND		32.3	25.4		ug/L		79	50 - 150	2	40
Benzo[k]fluoranthene	ND		32.3	27.4		ug/L		85	50 - 150	7	40
Bis(2-ethylhexyl) phthalate	ND		32.3	24.3		ug/L		75	50 - 150	8	40
4-Bromophenyl phenyl ether	ND		32.3	27.2		ug/L		84	50 - 150	4	40
Chrysene	ND		32.3	27.4		ug/L		85	50 - 150	11	40
Butyl benzyl phthalate	ND		32.3	27.4		ug/L		85	50 - 150	5	40
Dibenz(a,h)anthracene	ND		32.3	24.6		ug/L		76	50 - 150	5	40
4-Chloroaniline	ND		32.3	29.0		ug/L		90	50 - 150	4	40
Fluoranthene	ND		32.3	33.9		ug/L		105	50 - 150	6	40
4-Chloro-3-methylphenol	ND		32.3	34.2		ug/L		106	50 - 150	6	40
Fluorene	ND		32.3	27.5		ug/L		85	50 - 150	4	40
2-Chloronaphthalene	ND		32.3	27.8		ug/L		86	50 - 150	16	40
2-Chlorophenol	ND		32.3	30.7		ug/L		95	50 - 150	4	40
Indeno[1,2,3-cd]pyrene	ND		32.3	24.1		ug/L		75	50 - 150	6	40
1-Methylnaphthalene	ND		32.3	24.7		ug/L		76	50 - 150	9	40
4-Chlorophenyl phenyl ether	ND		32.3	24.4		ug/L		76	50 - 150	5	40
2-Methylnaphthalene	ND		32.3	24.8		ug/L		77	50 - 150	10	40
Dibenz[a,h]acridine	ND		48.3	44.6		ug/L		92	50 - 150	0	40
Dibenzofuran	ND		32.3	30.2		ug/L		94	50 - 150	6	40
3,3'-Dichlorobenzidine	ND		32.3	24.2		ug/L		75	50 - 150	15	40
Phenanthrene	ND		32.3	31.2		ug/L		97	50 - 150	5	40
2,4-Dichlorophenol	ND		32.3	29.6		ug/L		92	50 - 150	6	40
Pyrene	ND		32.3	35.6		ug/L		110	50 - 150	8	40
Diethyl phthalate	ND		32.3	20.3		ug/L		63	50 - 150	2	40
2,4-Dimethylphenol	ND		32.3	29.6		ug/L		92	50 - 150	4	40
Dimethyl phthalate	ND		32.3	24.0		ug/L		74	50 - 150	4	40
Di-n-butyl phthalate	ND		32.3	23.4		ug/L		73	50 - 150	0	40
4,6-Dinitro-ortho-cresol	ND		64.5	56.9		ug/L		88	50 - 150	6	40
2,4-Dinitrophenol	ND		64.5	49.5		ug/L		77	50 - 150	5	40
2,4-Dinitrotoluene	ND		32.3	27.7		ug/L		86	50 - 150	5	40
2,6-Dinitrotoluene	ND		32.3	28.5		ug/L		88	50 - 150	5	40
Di-n-octyl phthalate	ND		32.3	23.9		ug/L		74	50 - 150	10	40
1,4-Dioxane	ND		32.3	32.0		ug/L		99	50 - 150	10	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		32.3	25.5		ug/L		79	50 - 150	5	40
Hexachlorobenzene	ND		32.3	26.3		ug/L		82	50 - 150	6	40
Hexachlorocyclopentadiene	ND		32.3	22.4		ug/L		69	50 - 150	23	40
Hexachloroethane	ND		32.3	23.3		ug/L		72	50 - 150	26	40
Indene	ND		48.4	38.2		ug/L		79	50 - 150	9	40
Isophorone	ND		32.3	25.6		ug/L		79	50 - 150	3	40
2-Methylphenol	ND		32.3	34.3		ug/L		106	50 - 150	4	40
3 & 4 Methylphenol	ND		32.3	40.4		ug/L		125	50 - 150	3	40
2-Nitroaniline	ND		32.3	31.9		ug/L		99	50 - 150	6	40
3-Nitroaniline	ND		32.3	29.3		ug/L		91	50 - 150	8	40
4-Nitroaniline	ND		32.3	30.4		ug/L		94	50 - 150	7	40
Nitrobenzene	ND		32.3	26.2		ug/L		81	50 - 150	5	40
2-Nitrophenol	ND		32.3	30.5		ug/L		95	50 - 150	7	40
4-Nitrophenol	ND		64.5	73.6		ug/L		114	50 - 150	11	40

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

Lab Sample ID: 400-278871-7 MSD
Matrix: Water
Analysis Batch: 715729

Client Sample ID: MW6B-ROX-070825
Prep Type: Total/NA
Prep Batch: 715522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodimethylamine	ND		32.3	33.5		ug/L		104	50 - 150	6	40
N-Nitrosodi-n-propylamine	ND		32.3	29.5		ug/L		91	50 - 150	7	40
N-Nitrosodiphenylamine	ND		32.0	27.3		ug/L		85	50 - 150	5	40
Pentachlorophenol	ND		64.5	68.8		ug/L		107	50 - 150	5	40
Phenol	ND		32.3	44.1		ug/L		137	50 - 150	2	40
Pyridine	ND	*+ F1	64.5	119	F1	ug/L		185	50 - 150	3	40
Quinoline	ND		48.3	50.6		ug/L		105	50 - 150	3	40
2,4,5-Trichlorophenol	ND		32.3	28.7		ug/L		89	50 - 150	3	40
2,4,6-Trichlorophenol	ND		32.3	28.3		ug/L		88	50 - 150	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 150*
Nitrobenzene-d5	*94*		*50 - 150*
Terphenyl-d14	*47*		*43 - 147*
2-Fluorobiphenyl	*87*		*25 - 139*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*94*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*47*		*28 - 150*
2,4,6-Tribromophenol	*95*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	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 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.McLean, M.Massa

LAB USE ONLY

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

- Include "J" values on Reports.
- Provide sample receipt upon login.
- Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-A	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-A	7/8/2025	0000	Water	2					2		X		
	P54-ROX-070825	7/8/2025	0935	Water	6			4		10	X	X	X	X
	MW1-ROX-070825	7/8/2025	1030	Water	6			4		10	X	X	X	X
	MW26-ROX-070825	7/8/2025	1150	Water	6			4		10	X	X	X	X
	MW6A-ROX-070825	7/8/2025	1240	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825	7/8/2025	1315	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825-MS	7/8/2025	1315	Water	6			4		10	X	X	X	X
	MW6B-ROX-070825-MSD	7/8/2025	1315	Water	6			4		10	X	X	X	X

400-278871 Chain of Custody

	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) S.MCLEAN	FEDEX: 7252 0550 4190/ 4234 9598 5739	7/8/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/9/25	Time: 950

Version: 19Sept24

CUSTODY SEALS: 1135100, 1135101, 1135103, 1135102

0.2C 0.0°C RW

Page 13 of 18

7/23/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW 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
Melissa Remiger	25278	DATE: 7/8/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	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): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

- ☐ **Include "J" values on Reports.**
- ☐ **Provide sample receipt upon login.**
- ☐ **Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	8260 SIM EDB + DBCP	SVOC 8270	PAH 8270 SIM
	TB-ROX-070825-8260-B	7/8/2025	0000	Water	2					2	X			
	TB-ROX-070825-8260SIM-B	7/8/2025	0000	Water	2					2		X		
	MW3-ROX-070825	7/8/2025	11:00	Water	6			4		10	X	X	X	X
	MW5-ROX-070825	7/8/2025	12:15	Water	6			4		10	X	X	X	X
	ROST3MW-ROX-070825	7/8/2025	13:30	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/8/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) BP	Date: 7/9/25	Time: 950

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

0.0°C Dew

7/23/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278871-1

Login Number: 278871
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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	0.2°C, 0.0°C IR10
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
Job ID: 400-278871-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-278969-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/28/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/5/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			

Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW6C-ROX-070925 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0**/**0**	**NC**	10-150/50
MW6C-ROX-070925 MS/MSD	VOCs	Ethyl methacrylate	**132**/81	**48**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Acetone	52/**33**	**46**	43-150/30
MW6C-ROX-070925 MS/MSD	VOCs	2-Butanone (MEK)	80/**50**	**46**	55-150/30
MW6C-ROX-070925 MS/MSD	VOCs	2-Hexanone	98/**62**	**45**	65-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Acrolein	98/67	**37**	38-150/31
MW6C-ROX-070925 MS/MSD	VOCs	Acrylonitrile	127/79	**46**	62-149/30
MW6C-ROX-070925 MS/MSD	VOCs	Benzene	125/77	**47**	56-142/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromobenzene	112/68	**49**	59-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromochloromethane	117/71	**48**	64-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromodichloromethane	116/73	**46**	59-143/30
MW6C-ROX-070925 MS/MSD	VOCs	Bromoform	16/73	**45**	50-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Carbon Disulfide	112/68	**48**	48-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Carbon Tetrachloride	109//67	**48**	55-145/30
MW6C-ROX-070925 MS/MSD	VOCs	Chlorobenzene	117/72	**47**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Chloroform	114/71	**47**	60-14130
MW6C-ROX-070925 MS/MSD	VOCs	1-Chlorohexane	112/66	**52**	56-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Chloromethane	87/60	**37**	49-148/31
MW6C-ROX-070925 MS/MSD	VOCs	cis-1,2-Dichloroethene	115/71	**48**	59-143/30
MW6C-ROX-070925 MS/MSD	VOCs	cis-1,3-Dichloropropene	122/74	**49**	57-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Dibromochloromethane	121/74	**48**	56-143/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichlorobenzene	112/68	**49**	52-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3-Dichlorobenzene	106/64	**50**	54-135/30
MW6C-ROX-070925 MS/MSD	VOCs	1,4-Dichlorobenzene	111/67	**49**	53-135/30

MW6C-ROX-070925 MS/MSD	VOCs	Dichlorodifluoromethane	80/57	**33**	16-150/31
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloroethane	118/74	**45**	61-144/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichloroethane	114/72	**45**	60-141/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloroethene	112/70	**46**	54-147/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2-Dichloropropane	126/78	**47**	66-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3-Dichloropropane	127/79	**46**	66-133/30
MW6C-ROX-070925 MS/MSD	VOCs	2,2-Dichloropropane	107/67	**47**	42-144/31
MW6C-ROX-070925 MS/MSD	VOCs	1,1-Dichloropropene	117/72	**47**	65–136/30
MW6C-ROX-070925 MS/MSD	VOCs	Hexachlorobutadiene	83/49	**51**	31-149/36
MW6C-ROX-070925 MS/MSD	VOCs	2-Hexanone	98/62	**45**	65-140/30
MW6C-ROX-070925 MS/MSD	VOCs	Isopropylbenzene	107/63	**52**	56-133/30
MW6C-ROX-070925 MS/MSD	VOCs	Ethylbenzene	113/68	**49**	64-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Methylene Bromide	116/72	**47**	63-138/30
MW6C-ROX-070925 MS/MSD	VOCs	Methylene Chloride	114/70	**48**	60-146/32
MW6C-ROX-070925 MS/MSD	VOCs	4-Methyl-2-pentatnone (MIBK)	124/77	**47**	63-146/30
MW6C-ROX-070925 MS/MSD	VOCs	Methyl tert-butyl ether	118/73	**46**	59-137/30
MW6C-ROX-070925 MS/MSD	VOCs	m-Xylene & p-Xylene	111/66	**51**	57-130/30
MW6C-ROX-070925 MS/MSD	VOCs	Naphthalene	114/75	**42**	25-150/30
MW6C-ROX-070925 MS/MSD	VOCs	n-Butylbenzene	99/57	**54**	41-142/31
MW6C-ROX-070925 MS/MSD	VOCs	N-Propylbenzene	106/63	**51**	51-138/30
MW6C-ROX-070925 MS/MSD	VOCs	o-Chlorotoluene	105/63	**50**	53-134/30
MW6C-ROX-070925 MS/MSD	VOCs	o-Xylene	113/67	**51**	61-130/30
MW6C-ROX-070925 MS/MSD	VOCs	p-Chlorotoluene	110/65	**51**	54-133/30
MW6C-ROX-070925 MS/MSD	VOCs	p-Isopropyltoluene	103/60	**52**	48-138/30
MW6C-ROX-070925 MS/MSD	VOCs	sec-Butylbenzene	104/61	**52**	50-138/30
MW6C-ROX-070925 MS/MSD	VOCs	Styrene	114/67	**51**	58-131/30
MW6C-ROX-070925 MS/MSD	VOCs	tert-Butylbenzene	104/62	**52**	54-146/30

MW6C-ROX-070925 MS/MSD	VOCs	1,1,1,2-Tetrachloroethane	118/73	**47**	59-137/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,2,2-Tetrachloroethane	133/82	**47**	66-135/30
MW6C-ROX-070925 MS/MSD	VOCs	Tetrachloroethene	117/82	**35**	52-133/30
MW6C-ROX-070925 MS/MSD	VOCs	Toluene	119/72	**49**	65-130/30
MW6C-ROX-070925 MS/MSD	VOCs	trans-1,2-Dichloroethene	117/72	**48**	61-143/30
MW6C-ROX-070925 MS/MSD	VOCs	trans-1,3-Dichloropropene	126/77	**49**	53-133/30
MW6C-ROX-070925 MS/MSD	VOCs	1.2.3-Trichlorobenzene	100/65	**43**	43-145/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,4-Trichlorobenzene	96/61	**45**	39-148/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,1-Trichloroethane	111/68	**48**	57-142/30
MW6C-ROX-070925 MS/MSD	VOCs	1,1,2-Trichloroethane	128/69	**48**	66-131/30
MW6C-ROX-070925 MS/MSD	VOCs	Trichloroethene	111/69	**46**	64-136/30
MW6C-ROX-070925 MS/MSD	VOCs	Trichlorofluoromethane	82/56	**37**	54-150/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,3-Trichloropropane	132/82	**46**	65-133/30
MW6C-ROX-070925 MS/MSD	VOCs	1,2,4-Trimethylbenzene	113/66	**52**	50-139/30
MW6C-ROX-070925 MS/MSD	VOCs	1,3,5-Trimethylbenzene	112/66	**51**	52-135/30
MW6C-ROX-070925 MS/MSD	VOCs	Vinyl Acetate	98/67	**37**	26-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Vinyl Chloride	93/66	**34**	46-150/30
MW6C-ROX-070925 MS/MSD	VOCs	Xylenes, Total	112/67	**51**	59-130/30

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

The MS/MSD RPD for all analytes, with the exception of bromomethane and chloroethane, were above the evaluation criteria. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-070925	VOCs	2-Chloroethyl vinyl ether	UJ
MW6C-ROX-070925	VOCs	Acetone	UJ
MW6C-ROX-070925	VOCs	2-Butanone (MEK)	UJ
MW6C-ROX-070925	VOCs	2-Hexanone	UJ

Laboratory Control Spike	LCS was performed at the required frequency and		X		

	LCS recoveries met acceptance criteria.				

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Aniline	**171/164**	4	10-134/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Bis(2-chloroethoxy)methane	**124**/114	8	34-120/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Dibenz[a,h]acridine	**154/148**	4	40-140/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Dibenzofuran	**121/114**	6	35-110/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Pyridine	**254/246**	3	10-150/40
LCS 400-715763/2-A LCSD 400-715763/3-A	SVOCs	Quinoline	**155**/141	10	50-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-070925-DUP	SVOCs	Dibenzofuran	**J**

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Samples analyzed did not require dilution.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The initial calibration verification (ICV) for chloroethane and continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-070925	VOCs	Chloromethane	UJ
MW13-ROX-070925	VOCs	Chloromethane	UJ
P114R-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZE-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZC-ROX-070925	VOCs	Chloromethane	UJ
ROST4PZC-ROX-070925-DUP	VOCs	Chloromethane	UJ
ROST4PZG-ROX-070925	VOCs	Chloromethane	UJ
MW6C-ROX-070925	VOCs	Trichlorofluoromethane	UJ
MW6D-ROX-070925	VOCs	Trichlorofluoromethane	UJ
MW13-ROX-070925	VOCs	Trichlorofluoromethane	UJ
P114R-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZE-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZC-ROX-070925	VOCs	Trichlorofluoromethane	UJ
ROST4PZC-ROX-070925-DUP	VOCs	Trichlorofluoromethane	UJ
ROST4PZG-ROX-070925	VOCs	Trichlorofluoromethane	UJ

Method 8270E (SVOCs)

The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low. The continuing calibration verifications (CCV) for anthracene, was outside evaluation criteria, biased high. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
ROST4PZC-ROX-070925	PAHs	Anthracene	J
ROST4PZC-ROX-070925-DUP	PAHs	Anthracene	J
MW6C-ROX-070925	SVOCs	Pyridine	UJ
MW6D-ROX-070925	SVOCs	Pyridine	UJ
MW13-ROX-070925	SVOCs	Pyridine	UJ
P114R-ROX-070925	SVOCs	Pyridine	UJ
ROST4PZE-ROX-070925	SVOCs	Pyridine	UJ
ROST4PZC-ROX-070925	SVOCs	Pyridine	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

	laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/23/2025 12:52:47 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-278969-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/23/2025 12:52:47 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-278969-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715908 recovered outside acceptance criteria, low biased, for Chloromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: 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-070925-8260-A (400-278969-1), MW6C-ROX-070925 (400-278969-3), MW6D-ROX-070925 (400-278969-4), MW13-ROX-070925 (400-278969-5), P114R-ROX-070925 (400-278969-6), TB-ROX-070925-8260-B (400-278969-7), ROST4PZE-ROX-070925 (400-278969-9), ROST4PZC-ROX-070925 (400-278969-10), ROST4PZC-ROX-070925-DUP (400-278969-11) and ROST4PZG-ROX-070925 (400-278969-12). 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 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715908 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-715908 was outside control limits. Sample matrix interference is suspected.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-715908 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-715908 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715728 recovered above the upper control limit for Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-715880 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716008 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715729 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-715881 recovered above the upper control limit for 2,4-Dimethylphenol, Aniline, Butyl benzyl phthalate, Dibenzofuran, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-715763 and analytical batch 400-715729 recovered outside control limits for the following analytes: Aniline, Bis(2-chloroethoxy)methane, Dibenz[a,h]acridine, Dibenzofuran, Pyridine and Quinoline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-715763 and analytical batch 400-715729 recovered outside control limits for the following analytes: Aniline, Dibenz[a,h]acridine, Dibenzofuran and Pyridine. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: 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 400-715763/3-A). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716009 recovered above the upper control limit for Aniline, Benzyl alcohol, Butyl benzyl phthalate, Dibenzofuran, 2,4-Dimethylphenol, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-278969-1	TB-ROX-070925-8260-A	Water	07/09/25 00:00	07/10/25 09:30
400-278969-2	TB-ROX-070925-8260SIM-A	Water	07/09/25 00:00	07/10/25 09:30
400-278969-3	MW6C-ROX-070925	Water	07/09/25 09:10	07/10/25 09:30
400-278969-4	MW6D-ROX-070925	Water	07/09/25 09:55	07/10/25 09:30
400-278969-5	MW13-ROX-070925	Water	07/09/25 11:40	07/10/25 09:30
400-278969-6	P114R-ROX-070925	Water	07/09/25 12:40	07/10/25 09:30
400-278969-7	TB-ROX-070925-8260-B	Water	07/09/25 00:00	07/10/25 09:30
400-278969-8	TB-ROX-070925-8260SIM-B	Water	07/09/25 00:00	07/10/25 09:30
400-278969-9	ROST4PZE-ROX-070925	Water	07/09/25 09:15	07/10/25 09:30
400-278969-10	ROST4PZC-ROX-070925	Water	07/09/25 10:40	07/10/25 09:30
400-278969-11	ROST4PZC-ROX-070925-DUP	Water	07/09/25 10:40	07/10/25 09:30
400-278969-12	ROST4PZG-ROX-070925	Water	07/09/25 12:40	07/10/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A — Lab Sample ID: 400-278969-1

No Detections.

Client Sample ID: TB-ROX-070925-8260SIM-A — Lab Sample ID: 400-278969-2

No Detections.

Client Sample ID: MW6C-ROX-070925 — Lab Sample ID: 400-278969-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Chloroaniline	0.49	J	9.3	0.26	ug/L	1		8270E	Total/NA

Client Sample ID: MW6D-ROX-070925 — Lab Sample ID: 400-278969-4

No Detections.

Client Sample ID: MW13-ROX-070925 — Lab Sample ID: 400-278969-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.54	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: P114R-ROX-070925 — Lab Sample ID: 400-278969-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.57	J	1.0	0.22	ug/L	1		8260D	Total/NA
4-Chloro-3-methylphenol	0.77	J	9.9	0.72	ug/L	1		8270E	Total/NA

Client Sample ID: TB-ROX-070925-8260-B — Lab Sample ID: 400-278969-7

No Detections.

Client Sample ID: TB-ROX-070925-8260SIM-B — Lab Sample ID: 400-278969-8

No Detections.

Client Sample ID: ROST4PZE-ROX-070925 — Lab Sample ID: 400-278969-9

No Detections.

Client Sample ID: ROST4PZC-ROX-070925 — Lab Sample ID: 400-278969-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	7.7	J	25	2.6	ug/L	1		8260D	Total/NA
Carbon disulfide	0.53	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	4.1		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	28		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	69		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	5.2		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	8.7		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.5		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	2.2		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	30		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	0.96		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.095	J	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene	0.21		0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene	0.61		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	24		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	11		0.20	0.077	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ROST4PZC-ROX-070925 (Continued) — Lab Sample ID: 400-278969-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.86		0.20	0.044	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZC-ROX-070925-DUP — Lab Sample ID: 400-278969-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	7.9	J	25	2.6	ug/L	1		8260D	Total/NA
Isopropylbenzene	4.6		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	29		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	77		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	5.7		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	8.8		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.2		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	2.7		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	31		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	1.0		0.19	0.082	ug/L	1		8270E	Total/NA
Acenaphthylene	0.095	J	0.19	0.045	ug/L	1		8270E	Total/NA
Anthracene	0.20		0.19	0.070	ug/L	1		8270E	Total/NA
Fluorene	0.62		0.19	0.084	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	26		0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	13		0.19	0.074	ug/L	1		8270E	Total/NA
Dibenzofuran	0.64	J *+	9.6	0.62	ug/L	1		8270E	Total/NA
Phenanthrene	0.90		0.19	0.042	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZG-ROX-070925 — Lab Sample ID: 400-278969-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.3		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	8.7	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	0.91	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	2.2		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	4.4	J	5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	5.3		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.5		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	1.3		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.086	J	0.19	0.082	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	3.7		0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	1.3		0.19	0.074	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	10	J	19	4.4	ug/L	1		8270E	Total/NA
Phenol	0.91	J	9.6	0.66	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 14:17	1
Acrolein	ND		20	3.3	ug/L			07/14/25 14:17	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 14:17	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 14:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 14:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 14:17	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 14:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 14:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 14:17	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 14:17	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 14:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 14:17	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 14:17	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 14:17	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 14:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 14:17	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 14:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 14:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 14:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 14:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 14:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 14:17	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 14:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 14:17	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 14:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 14:17	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 14:17	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 14:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 14:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 14:17	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 14:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 14:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 14:17	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-A
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 14:17	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 14:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 14:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 14:17	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 14:17	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 14:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 14:17	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 14:17	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 14:17	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 14:17	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 14:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 14:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 14:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 14:17	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 14:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 14:17	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 14:17*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/14/25 14:17*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 14:17*	*1*

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260SIM-A
Lab Sample ID: 400-278969-2
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 13:44	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 13:44*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 13:44*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 13:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW6C-ROX-070925

Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 16:51	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 16:51*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 16:51*	*1*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/15/25 16:51*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1 F2 UJ	25	10	ug/L			07/14/25 12:33	1
Acrolein	ND	F2	20	3.3	ug/L			07/14/25 12:33	1
Acrylonitrile	ND	F2	10	2.8	ug/L			07/14/25 12:33	1
Benzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Bromobenzene	ND	F2	1.0	0.54	ug/L			07/14/25 12:33	1
Bromochloromethane	ND	F2	1.0	0.52	ug/L			07/14/25 12:33	1
Bromodichloromethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Bromoform	ND	F2	5.0	0.25	ug/L			07/14/25 12:33	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 12:33	1
2-Butanone (MEK)	ND	F1 F2 UJ	25	2.6	ug/L			07/14/25 12:33	1
Carbon disulfide	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Carbon tetrachloride	ND	F2	1.0	0.19	ug/L			07/14/25 12:33	1
Chlorobenzene	ND	F2	1.0	0.42	ug/L			07/14/25 12:33	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 12:33	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			07/14/25 12:33	1
Chloroform	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
1-Chlorohexane	ND	F2	1.0	0.32	ug/L			07/14/25 12:33	1
Chloromethane	ND	F2 UJ	1.0	0.40	ug/L			07/14/25 12:33	1
cis-1,2-Dichloroethene	ND	F2	1.0	0.20	ug/L			07/14/25 12:33	1
cis-1,3-Dichloropropene	ND	F2	5.0	0.50	ug/L			07/14/25 12:33	1
Dibromochloromethane	ND	F2	1.0	0.24	ug/L			07/14/25 12:33	1
1,2-Dichlorobenzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,3-Dichlorobenzene	ND	F2	1.0	0.54	ug/L			07/14/25 12:33	1
1,4-Dichlorobenzene	ND	F2	1.0	0.64	ug/L			07/14/25 12:33	1
Dichlorodifluoromethane	ND	F2	1.0	0.85	ug/L			07/14/25 12:33	1
1,1-Dichloroethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,2-Dichloroethane	ND	F2	1.0	0.55	ug/L			07/14/25 12:33	1
1,1-Dichloroethene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,2-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,3-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
2,2-Dichloropropane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
1,1-Dichloropropene	ND	F2	1.0	0.090	ug/L			07/14/25 12:33	1
Ethylbenzene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Ethyl methacrylate	ND	F1 F2	1.0	0.60	ug/L			07/14/25 12:33	1
Hexachlorobutadiene	ND	F2	5.0	0.90	ug/L			07/14/25 12:33	1
2-Hexanone	ND	F1 F2 UJ	25	4.3	ug/L			07/14/25 12:33	1
Isopropylbenzene	ND	F2	1.0	0.53	ug/L			07/14/25 12:33	1
Methylene bromide	ND	F2	5.0	0.22	ug/L			07/14/25 12:33	1
Methylene Chloride	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
4-Methyl-2-pentanone (MIBK)	ND	F2	25	1.8	ug/L			07/14/25 12:33	1

Client Sample ID: MW6C-ROX-070925
Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	F2	1.0	0.22	ug/L			07/14/25 12:33	1
m-Xylene & p-Xylene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
Naphthalene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
n-Butylbenzene	ND	F2	1.0	0.76	ug/L			07/14/25 12:33	1
N-Propylbenzene	ND	F2	1.0	0.69	ug/L			07/14/25 12:33	1
o-Chlorotoluene	ND	F2	1.0	0.57	ug/L			07/14/25 12:33	1
o-Xylene	ND	F2	5.0	3.0	ug/L			07/14/25 12:33	1
p-Chlorotoluene	ND	F2	1.0	0.56	ug/L			07/14/25 12:33	1
p-Isopropyltoluene	ND	F2	1.0	0.71	ug/L			07/14/25 12:33	1
sec-Butylbenzene	ND	F2	1.0	0.70	ug/L			07/14/25 12:33	1
Styrene	ND	F2	1.0	1.0	ug/L			07/14/25 12:33	1
tert-Butylbenzene	ND	F2	1.0	0.63	ug/L			07/14/25 12:33	1
1,1,1,2-Tetrachloroethane	ND	F2	1.0	0.38	ug/L			07/14/25 12:33	1
1,1,2,2-Tetrachloroethane	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Tetrachloroethene	ND	F2	1.0	0.33	ug/L			07/14/25 12:33	1
Toluene	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
trans-1,2-Dichloroethene	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
trans-1,3-Dichloropropene	ND	F2	5.0	0.20	ug/L			07/14/25 12:33	1
1,2,3-Trichlorobenzene	ND	F2	1.0	0.90	ug/L			07/14/25 12:33	1
1,2,4-Trichlorobenzene	ND	F2	1.0	0.82	ug/L			07/14/25 12:33	1
1,1,1-Trichloroethane	ND	F2	1.0	0.18	ug/L			07/14/25 12:33	1
1,1,2-Trichloroethane	ND	F2	5.0	0.21	ug/L			07/14/25 12:33	1
Trichloroethene	ND	F2	1.0	0.15	ug/L			07/14/25 12:33	1
Trichlorofluoromethane	ND	F2 UJ	1.0	0.25	ug/L			07/14/25 12:33	1
1,2,3-Trichloropropane	ND	F2	5.0	0.84	ug/L			07/14/25 12:33	1
1,2,4-Trimethylbenzene	ND	F2	1.0	0.82	ug/L			07/14/25 12:33	1
1,3,5-Trimethylbenzene	ND	F2	1.0	0.56	ug/L			07/14/25 12:33	1
Vinyl acetate	ND	F2	25	0.93	ug/L			07/14/25 12:33	1
Vinyl chloride	ND	F2	1.0	0.50	ug/L			07/14/25 12:33	1
Xylenes, Total	ND	F2	10	6.0	ug/L			07/14/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 12:33*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 12:33*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 12:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.079	ug/L		07/11/25 07:00	07/14/25 18:44	1
Aniline	ND	*+	9.3	0.69	ug/L		07/11/25 07:00	07/14/25 18:44	1
Acenaphthylene	ND		0.19	0.044	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzenethiol	ND		9.3	0.56	ug/L		07/11/25 07:00	07/14/25 18:44	1
Anthracene	ND		0.19	0.068	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzoic acid	ND		93	75	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[a]anthracene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzyl alcohol	ND		33	28	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[a]pyrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-chloroethoxy)methane	ND	*+	9.3	0.32	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[b]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-chloroethyl)ether	ND		9.3	0.68	ug/L		07/11/25 07:00	07/14/25 18:44	1

Client Sample ID: MW6C-ROX-070925
Date Collected: 07/09/25 09:10
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.049	ug/L		07/11/25 07:00	07/14/25 18:44	1
bis (2-chloroisopropyl) ether	ND		9.3	0.87	ug/L		07/11/25 07:00	07/14/25 18:44	1
Benzo[k]fluoranthene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 18:44	1
Bis(2-ethylhexyl) phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Bromophenyl phenyl ether	ND		9.3	0.12	ug/L		07/11/25 07:00	07/14/25 18:44	1
Chrysene	ND		0.19	0.036	ug/L		07/11/25 07:00	07/14/25 18:44	1
Butyl benzyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenz(a,h)anthracene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chloroaniline	**0.49**	**J**	9.3	0.26	ug/L		07/11/25 07:00	07/14/25 18:44	1
Fluoranthene	ND		0.19	0.030	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chloro-3-methylphenol	ND		9.3	0.68	ug/L		07/11/25 07:00	07/14/25 18:44	1
Fluorene	ND		0.19	0.081	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Chloronaphthalene	ND		9.3	0.36	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Chlorophenol	ND		9.3	0.79	ug/L		07/11/25 07:00	07/14/25 18:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.030	ug/L		07/11/25 07:00	07/14/25 18:44	1
1-Methylnaphthalene	ND		0.19	0.062	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Chlorophenyl phenyl ether	ND		9.3	0.22	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Methylnaphthalene	ND		0.19	0.072	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenz[a,h]acridine	ND	*+	9.3	0.64	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dibenzofuran	ND	*+	9.3	0.60	ug/L		07/11/25 07:00	07/14/25 18:44	1
3,3'-Dichlorobenzidine	ND		10	0.38	ug/L		07/11/25 07:00	07/14/25 18:44	1
Phenanthrene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dichlorophenol	ND		9.3	0.53	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pyrene	ND		0.19	0.089	ug/L		07/11/25 07:00	07/14/25 18:44	1
Diethyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dimethylphenol	ND		9.3	0.22	ug/L		07/11/25 07:00	07/14/25 18:44	1
Dimethyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
Di-n-butyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.8	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dinitrophenol	ND		28	4.4	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4-Dinitrotoluene	ND		9.3	0.61	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,6-Dinitrotoluene	ND		9.3	0.27	ug/L		07/11/25 07:00	07/14/25 18:44	1
Di-n-octyl phthalate	ND		9.3	3.7	ug/L		07/11/25 07:00	07/14/25 18:44	1
1,4-Dioxane	ND		9.3	4.0	ug/L		07/11/25 07:00	07/14/25 18:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.87	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachlorobenzene	ND		9.3	0.23	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachlorocyclopentadiene	ND		19	0.30	ug/L		07/11/25 07:00	07/14/25 18:44	1
Hexachloroethane	ND		9.3	0.50	ug/L		07/11/25 07:00	07/14/25 18:44	1
Indene	ND		9.3	0.41	ug/L		07/11/25 07:00	07/14/25 18:44	1
Isophorone	ND		9.3	0.75	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Methylphenol	ND		9.3	0.71	ug/L		07/11/25 07:00	07/14/25 18:44	1
3 & 4 Methylphenol	ND		19	4.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Nitroaniline	ND		9.3	1.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
3-Nitroaniline	ND		9.3	0.89	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Nitroaniline	ND		9.3	3.3	ug/L		07/11/25 07:00	07/14/25 18:44	1
Nitrobenzene	ND		9.3	0.56	ug/L		07/11/25 07:00	07/14/25 18:44	1
2-Nitrophenol	ND		9.3	1.1	ug/L		07/11/25 07:00	07/14/25 18:44	1
4-Nitrophenol	ND		9.3	2.6	ug/L		07/11/25 07:00	07/14/25 18:44	1
N-Nitrosodimethylamine	ND		9.3	0.91	ug/L		07/11/25 07:00	07/14/25 18:44	1

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.3	0.31	ug/L		07/11/25 07:00	07/14/25 18:44	1
N-Nitrosodiphenylamine	ND		9.3	0.18	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pentachlorophenol	ND		9.3	2.6	ug/L		07/11/25 07:00	07/14/25 18:44	1
Phenol	ND		9.3	0.64	ug/L		07/11/25 07:00	07/14/25 18:44	1
Pyridine	ND	*+ UJ	9.3	2.8	ug/L		07/11/25 07:00	07/14/25 18:44	1
Quinoline	ND	*+	9.3	0.47	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4,5-Trichlorophenol	ND		9.3	0.50	ug/L		07/11/25 07:00	07/14/25 18:44	1
2,4,6-Trichlorophenol	ND		9.3	1.0	ug/L		07/11/25 07:00	07/14/25 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*15 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Terphenyl-d14	*70*		*43 - 147*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2-Fluorobiphenyl	*97*		*25 - 139*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Phenol-d5	*114*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
Terphenyl-d14	*70*		*28 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/11/25 07:00*	*07/14/25 18:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW6D-ROX-070925

Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 17:14	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/15/25 17:14*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 17:14*	*1*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/15/25 17:14*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 15:19	1
Acrolein	ND		20	3.3	ug/L			07/14/25 15:19	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 15:19	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 15:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 15:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 15:19	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 15:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 15:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 15:19	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 15:19	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 15:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 15:19	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 15:19	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 15:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 15:19	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 15:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 15:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 15:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 15:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 15:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 15:19	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 15:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 15:19	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 15:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 15:19	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 15:19	1

Client Sample ID: MW6D-ROX-070925

Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 15:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 15:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 15:19	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 15:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 15:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 15:19	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 15:19	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 15:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 15:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 15:19	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 15:19	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 15:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 15:19	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 15:19	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 15:19	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 15:19	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 15:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 15:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 15:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 15:19	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 15:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 15:19	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/14/25 15:19*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 15:19*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 15:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/15/25 15:03*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/15/25 15:03*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/15/25 15:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.083	ug/L		07/11/25 07:00	07/14/25 19:21	1
Aniline	ND	*+	9.7	0.72	ug/L		07/11/25 07:00	07/14/25 19:21	1
Acenaphthylene	ND		0.19	0.046	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzenethiol	ND		9.7	0.58	ug/L		07/11/25 07:00	07/14/25 19:21	1

Client Sample ID: MW6D-ROX-070925
Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.19	0.071	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzoic acid	ND		97	78	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-chloroethoxy)methane	ND	*+	9.7	0.33	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[g,h,i]perylene	ND		0.19	0.051	ug/L		07/11/25 07:00	07/14/25 19:21	1
bis (2-chloroisopropyl) ether	ND		9.7	0.91	ug/L		07/11/25 07:00	07/14/25 19:21	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 19:21	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		07/11/25 07:00	07/14/25 19:21	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:21	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chloroaniline	ND		9.7	0.27	ug/L		07/11/25 07:00	07/14/25 19:21	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		07/11/25 07:00	07/14/25 19:21	1
Fluorene	ND		0.19	0.085	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Chlorophenol	ND		9.7	0.82	ug/L		07/11/25 07:00	07/14/25 19:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:21	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenz[a,h]acridine	ND	*+	9.7	0.67	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dibenzofuran	ND	*+	9.7	0.62	ug/L		07/11/25 07:00	07/14/25 19:21	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 19:21	1
Phenanthrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dichlorophenol	ND		9.7	0.56	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pyrene	ND		0.19	0.093	ug/L		07/11/25 07:00	07/14/25 19:21	1
Diethyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		07/11/25 07:00	07/14/25 19:21	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		07/11/25 07:00	07/14/25 19:21	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
1,4-Dioxane	ND		9.7	4.2	ug/L		07/11/25 07:00	07/14/25 19:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.91	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 19:21	1
Hexachloroethane	ND		9.7	0.52	ug/L		07/11/25 07:00	07/14/25 19:21	1
Indene	ND		9.7	0.43	ug/L		07/11/25 07:00	07/14/25 19:21	1
Isophorone	ND		9.7	0.78	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Methylphenol	ND		9.7	0.74	ug/L		07/11/25 07:00	07/14/25 19:21	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW6D-ROX-070925
Date Collected: 07/09/25 09:55
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		19	4.5	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Nitroaniline	ND		9.7	1.3	ug/L		07/11/25 07:00	07/14/25 19:21	1
3-Nitroaniline	ND		9.7	0.93	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Nitroaniline	ND		9.7	3.4	ug/L		07/11/25 07:00	07/14/25 19:21	1
Nitrobenzene	ND		9.7	0.58	ug/L		07/11/25 07:00	07/14/25 19:21	1
2-Nitrophenol	ND		9.7	1.1	ug/L		07/11/25 07:00	07/14/25 19:21	1
4-Nitrophenol	ND		9.7	2.7	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		07/11/25 07:00	07/14/25 19:21	1
N-Nitrosodiphenylamine	ND		9.7	0.19	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pentachlorophenol	ND		9.7	2.7	ug/L		07/11/25 07:00	07/14/25 19:21	1
Phenol	ND		9.7	0.66	ug/L		07/11/25 07:00	07/14/25 19:21	1
Pyridine	ND	*+UJ	9.7	2.9	ug/L		07/11/25 07:00	07/14/25 19:21	1
Quinoline	ND	*+	9.7	0.49	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4,5-Trichlorophenol	ND		9.7	0.53	ug/L		07/11/25 07:00	07/14/25 19:21	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		07/11/25 07:00	07/14/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Terphenyl-d14	*54*		*43 - 147*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2-Fluorophenol	*115*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Nitrobenzene-d5	*88*		*22 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Phenol-d5	*132*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
Terphenyl-d14	*54*		*28 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW13-ROX-070925

Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 17:38	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/15/25 17:38*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/15/25 17:38*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/15/25 17:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 16:22	1
Acrolein	ND		20	3.3	ug/L			07/14/25 16:22	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 16:22	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 16:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 16:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 16:22	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 16:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 16:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 16:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 16:22	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 16:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 16:22	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 16:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 16:22	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 16:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 16:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 16:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 16:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 16:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 16:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 16:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 16:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 16:22	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 16:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 16:22	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 16:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 16:22	1

Client Sample ID: MW13-ROX-070925
Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.54**	**J**	1.0	0.22	ug/L			07/14/25 16:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 16:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 16:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 16:22	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 16:22	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 16:22	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 16:22	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 16:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 16:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 16:22	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 16:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 16:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 16:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 16:22	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 16:22	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 16:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 16:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 16:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 16:22	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 16:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 16:22	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 16:22*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 16:22*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 16:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.081	ug/L		07/11/25 07:00	07/14/25 19:57	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/14/25 19:57	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzenethiol	ND		9.6	0.57	ug/L		07/11/25 07:00	07/14/25 19:57	1
Anthracene	ND		0.19	0.070	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzoic acid	ND		96	76	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[a]anthracene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzyl alcohol	ND		33	29	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.32	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[b]fluoranthene	ND		0.19	0.040	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 19:57	1

Client Sample ID: MW13-ROX-070925
Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/14/25 19:57	1
bis (2-chloroisopropyl) ether	ND		9.6	0.89	ug/L		07/11/25 07:00	07/14/25 19:57	1
Benzo[k]fluoranthene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 19:57	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Bromophenyl phenyl ether	ND		9.6	0.12	ug/L		07/11/25 07:00	07/14/25 19:57	1
Chrysene	ND		0.19	0.037	ug/L		07/11/25 07:00	07/14/25 19:57	1
Butyl benzyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/14/25 19:57	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 19:57	1
Fluorene	ND		0.19	0.083	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Chloronaphthalene	ND		9.6	0.36	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Chlorophenol	ND		9.6	0.80	ug/L		07/11/25 07:00	07/14/25 19:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 19:57	1
1-Methylnaphthalene	ND		0.19	0.063	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenz[a,h]acridine	ND	*+	9.6	0.66	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dibenzofuran	ND	*+	9.6	0.61	ug/L		07/11/25 07:00	07/14/25 19:57	1
3,3'-Dichlorobenzidine	ND		11	0.39	ug/L		07/11/25 07:00	07/14/25 19:57	1
Phenanthrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dichlorophenol	ND		9.6	0.54	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pyrene	ND		0.19	0.091	ug/L		07/11/25 07:00	07/14/25 19:57	1
Diethyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 19:57	1
Dimethyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
Di-n-butyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4-Dinitrotoluene	ND		9.6	0.62	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/14/25 19:57	1
Di-n-octyl phthalate	ND		9.6	3.8	ug/L		07/11/25 07:00	07/14/25 19:57	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/14/25 19:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.89	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 19:57	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/14/25 19:57	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/14/25 19:57	1
Isophorone	ND		9.6	0.76	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/14/25 19:57	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/14/25 19:57	1
3-Nitroaniline	ND		9.6	0.91	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Nitroaniline	ND		9.6	3.3	ug/L		07/11/25 07:00	07/14/25 19:57	1
Nitrobenzene	ND		9.6	0.57	ug/L		07/11/25 07:00	07/14/25 19:57	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 19:57	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/14/25 19:57	1
N-Nitrosodimethylamine	ND		9.6	0.93	ug/L		07/11/25 07:00	07/14/25 19:57	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: MW13-ROX-070925
Date Collected: 07/09/25 11:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/14/25 19:57	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/14/25 19:57	1
Phenol	ND		9.6	0.65	ug/L		07/11/25 07:00	07/14/25 19:57	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/11/25 07:00	07/14/25 19:57	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/14/25 19:57	1
2,4,6-Trichlorophenol	ND		9.6	1.0	ug/L		07/11/25 07:00	07/14/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2-Fluorobiphenyl	*87*		*25 - 139*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Nitrobenzene-d5	*91*		*22 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Phenol-d5	*115*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*07/11/25 07:00*	*07/14/25 19:57*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: P114R-ROX-070925

Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:01	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/15/25 18:01*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/15/25 18:01*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 18:01*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 16:42	1
Acrolein	ND		20	3.3	ug/L			07/14/25 16:42	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 16:42	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 16:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 16:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 16:42	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 16:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 16:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 16:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 16:42	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 16:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 16:42	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 16:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 16:42	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 16:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 16:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 16:42	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 16:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 16:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 16:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 16:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 16:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 16:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 16:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 16:42	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 16:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 16:42	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 16:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 16:42	1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.57**	**J**	1.0	0.22	ug/L			07/14/25 16:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 16:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 16:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 16:42	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 16:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 16:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 16:42	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 16:42	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 16:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 16:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 16:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 16:42	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 16:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 16:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 16:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 16:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 16:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 16:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 16:42	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 16:42	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 16:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 16:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 16:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 16:42	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 16:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 16:42	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 16:42*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 16:42*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 16:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/11/25 07:00	07/14/25 20:33	1
Aniline	ND	*+	9.9	0.73	ug/L		07/11/25 07:00	07/14/25 20:33	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzenethiol	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 20:33	1
Anthracene	ND		0.20	0.072	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzoic acid	ND		99	79	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 20:33	1

Client Sample ID: P114R-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/11/25 07:00	07/14/25 20:33	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 20:33	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 20:33	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/11/25 07:00	07/14/25 20:33	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 20:33	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/11/25 07:00	07/14/25 20:33	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chloro-3-methylphenol	**0.77**	**J**	9.9	0.72	ug/L		07/11/25 07:00	07/14/25 20:33	1
Fluorene	ND		0.20	0.086	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/11/25 07:00	07/14/25 20:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 20:33	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenz[a,h]acridine	ND	*+	9.9	0.68	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/11/25 07:00	07/14/25 20:33	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/14/25 20:33	1
Phenanthrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pyrene	ND		0.20	0.094	ug/L		07/11/25 07:00	07/14/25 20:33	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 20:33	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/11/25 07:00	07/14/25 20:33	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/11/25 07:00	07/14/25 20:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 20:33	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/11/25 07:00	07/14/25 20:33	1
Indene	ND		9.9	0.44	ug/L		07/11/25 07:00	07/14/25 20:33	1
Isophorone	ND		9.9	0.79	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/11/25 07:00	07/14/25 20:33	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/11/25 07:00	07/14/25 20:33	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/11/25 07:00	07/14/25 20:33	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 20:33	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/11/25 07:00	07/14/25 20:33	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/11/25 07:00	07/14/25 20:33	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/11/25 07:00	07/14/25 20:33	1

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P114R-ROX-070925
Lab Sample ID: 400-278969-6
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/11/25 07:00	07/14/25 20:33	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/11/25 07:00	07/14/25 20:33	1
Phenol	ND		9.9	0.67	ug/L		07/11/25 07:00	07/14/25 20:33	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/11/25 07:00	07/14/25 20:33	1
Quinoline	ND	*+	9.9	0.50	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/11/25 07:00	07/14/25 20:33	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/11/25 07:00	07/14/25 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2-Fluorobiphenyl	*91*		*25 - 139*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2-Fluorophenol	*113*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Phenol-d5	*126*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*
2,4,6-Tribromophenol	*105*		*10 - 150*	*07/11/25 07:00*	*07/14/25 20:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-B
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:03	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:03	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:03	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:03	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 17:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:03	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:03	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:03	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:03	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:03	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:03	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:03	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:03	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:03	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 17:03	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:03	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:03	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 17:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:03	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:03	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:03	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: TB-ROX-070925-8260-B
Date Collected: 07/09/25 00:00
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:03	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:03	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:03	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:03	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:03	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:03	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:03	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 17:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 17:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 17:03	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:03	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/14/25 17:03*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/14/25 17:03*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 17:03*	*1*

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260SIM-B
Lab Sample ID: 400-278969-8
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 14:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*106*		*50 - 150*		*07/15/25 14:07*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 14:07*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 14:07*	*1*

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZE-ROX-070925
Lab Sample ID: 400-278969-9

Date Collected: 07/09/25 09:15
Matrix: Water
Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:25	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/15/25 18:25*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 18:25*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 18:25*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:24	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:24	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:24	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:24	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 17:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:24	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:24	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:24	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 17:24	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:24	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:24	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 17:24	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:24	1

Client Sample ID: ROST4PZE-ROX-070925
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 17:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:24	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:24	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:24	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:24	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 17:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:24	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:24	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:24	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:24	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:24	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 17:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 17:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 17:24	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:24	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 17:24*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 17:24*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/14/25 17:24*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/11/25 07:00	07/14/25 21:09	1
Aniline	ND	*+	9.9	0.73	ug/L		07/11/25 07:00	07/14/25 21:09	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzenethiol	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 21:09	1
Anthracene	ND		0.20	0.072	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzoic acid	ND		99	79	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 21:09	1

Client Sample ID: ROST4PZE-ROX-070925
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/11/25 07:00	07/14/25 21:09	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 21:09	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:09	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/11/25 07:00	07/14/25 21:09	1
Chrysene	ND		0.20	0.038	ug/L		07/11/25 07:00	07/14/25 21:09	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/11/25 07:00	07/14/25 21:09	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/11/25 07:00	07/14/25 21:09	1
Fluorene	ND		0.20	0.086	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/11/25 07:00	07/14/25 21:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:09	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenz[a,h]acridine	ND	*+	9.9	0.68	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/11/25 07:00	07/14/25 21:09	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 21:09	1
Phenanthrene	ND		0.20	0.043	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pyrene	ND		0.20	0.094	ug/L		07/11/25 07:00	07/14/25 21:09	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/11/25 07:00	07/14/25 21:09	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/11/25 07:00	07/14/25 21:09	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/11/25 07:00	07/14/25 21:09	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/11/25 07:00	07/14/25 21:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 21:09	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/11/25 07:00	07/14/25 21:09	1
Indene	ND		9.9	0.43	ug/L		07/11/25 07:00	07/14/25 21:09	1
Isophorone	ND		9.9	0.79	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Methylphenol	ND		9.9	0.75	ug/L		07/11/25 07:00	07/14/25 21:09	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/11/25 07:00	07/14/25 21:09	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/11/25 07:00	07/14/25 21:09	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/11/25 07:00	07/14/25 21:09	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/11/25 07:00	07/14/25 21:09	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/11/25 07:00	07/14/25 21:09	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/11/25 07:00	07/14/25 21:09	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZE-ROX-070925
Date Collected: 07/09/25 09:15
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/11/25 07:00	07/14/25 21:09	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/11/25 07:00	07/14/25 21:09	1
Phenol	ND		9.9	0.67	ug/L		07/11/25 07:00	07/14/25 21:09	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/11/25 07:00	07/14/25 21:09	1
Quinoline	ND	*+	9.9	0.49	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/11/25 07:00	07/14/25 21:09	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/11/25 07:00	07/14/25 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Terphenyl-d14	*73*		*43 - 147*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2-Fluorophenol	*124*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Phenol-d5	*134*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
Terphenyl-d14	*73*		*28 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*
2,4,6-Tribromophenol	*112*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:09*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925

Lab Sample ID: 400-278969-10

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 18:48	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/15/25 18:48*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/15/25 18:48*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 18:48*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 17:45	1
Acrolein	ND		20	3.3	ug/L			07/14/25 17:45	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 17:45	1
Benzene	**1.1**		1.0	0.50	ug/L			07/14/25 17:45	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 17:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 17:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 17:45	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 17:45	1
2-Butanone (MEK)	**7.7**	**J**	25	2.6	ug/L			07/14/25 17:45	1
Carbon disulfide	**0.53**	**J**	1.0	0.50	ug/L			07/14/25 17:45	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 17:45	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 17:45	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 17:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 17:45	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 17:45	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 17:45	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 17:45	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 17:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 17:45	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 17:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 17:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 17:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 17:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 17:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 17:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 17:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 17:45	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 17:45	1
Isopropylbenzene	**4.1**		1.0	0.53	ug/L			07/14/25 17:45	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 17:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 17:45	1

Client Sample ID: ROST4PZC-ROX-070925
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 17:45	1
m-Xylene & p-Xylene	**28**		5.0	3.0	ug/L			07/14/25 17:45	1
Naphthalene	**69**		5.0	3.0	ug/L			07/14/25 17:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 17:45	1
N-Propylbenzene	**5.2**		1.0	0.69	ug/L			07/14/25 17:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 17:45	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 17:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 17:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 17:45	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 17:45	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 17:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 17:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 17:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 17:45	1
Toluene	**8.7**		1.0	0.90	ug/L			07/14/25 17:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 17:45	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 17:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 17:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 17:45	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 17:45	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 17:45	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 17:45	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 17:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 17:45	1
1,2,4-Trimethylbenzene	**4.5**		1.0	0.82	ug/L			07/14/25 17:45	1
1,3,5-Trimethylbenzene	**2.2**		1.0	0.56	ug/L			07/14/25 17:45	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 17:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 17:45	1
Xylenes, Total	**30**		10	6.0	ug/L			07/14/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 17:45*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*07/14/25 17:45*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*07/14/25 17:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.96**		0.20	0.085	ug/L		07/11/25 07:00	07/14/25 21:46	1
Aniline	ND	*+	10	0.74	ug/L		07/11/25 07:00	07/14/25 21:46	1
Acenaphthylene	**0.095**	**J**	0.20	0.047	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzenethiol	ND		10	0.60	ug/L		07/11/25 07:00	07/14/25 21:46	1
Anthracene	**0.21**	J	0.20	0.073	ug/L		07/11/25 07:00	07/15/25 14:56	1
Benzoic acid	ND		100	80	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/11/25 07:00	07/14/25 21:46	1

Client Sample ID: ROST4PZC-ROX-070925
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/11/25 07:00	07/14/25 21:46	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/11/25 07:00	07/14/25 21:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/14/25 21:46	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/11/25 07:00	07/14/25 21:46	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/14/25 21:46	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chloroaniline	ND		10	0.28	ug/L		07/11/25 07:00	07/14/25 21:46	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/11/25 07:00	07/14/25 21:46	1
Fluorene	**0.61**		0.20	0.087	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Chlorophenol	ND		10	0.84	ug/L		07/11/25 07:00	07/14/25 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/14/25 21:46	1
1-Methylnaphthalene	**24**		0.20	0.066	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Methylnaphthalene	**11**		0.20	0.077	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenz[a,h]acridine	ND	*+	10	0.69	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dibenzofuran	ND	*+	10	0.64	ug/L		07/11/25 07:00	07/14/25 21:46	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/14/25 21:46	1
Phenanthrene	**0.86**		0.20	0.044	ug/L		07/11/25 07:00	07/15/25 14:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pyrene	ND		0.20	0.095	ug/L		07/11/25 07:00	07/14/25 21:46	1
Diethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/11/25 07:00	07/14/25 21:46	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/11/25 07:00	07/14/25 21:46	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
1,4-Dioxane	ND		10	4.3	ug/L		07/11/25 07:00	07/14/25 21:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/14/25 21:46	1
Hexachloroethane	ND		10	0.53	ug/L		07/11/25 07:00	07/14/25 21:46	1
Indene	ND		10	0.44	ug/L		07/11/25 07:00	07/14/25 21:46	1
Isophorone	ND		10	0.80	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Methylphenol	ND		10	0.76	ug/L		07/11/25 07:00	07/14/25 21:46	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Nitroaniline	ND		10	1.4	ug/L		07/11/25 07:00	07/14/25 21:46	1
3-Nitroaniline	ND		10	0.95	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Nitroaniline	ND		10	3.5	ug/L		07/11/25 07:00	07/14/25 21:46	1
Nitrobenzene	ND		10	0.60	ug/L		07/11/25 07:00	07/14/25 21:46	1
2-Nitrophenol	ND		10	1.2	ug/L		07/11/25 07:00	07/14/25 21:46	1
4-Nitrophenol	ND		10	2.7	ug/L		07/11/25 07:00	07/14/25 21:46	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/11/25 07:00	07/14/25 21:46	1

Client Sample ID: ROST4PZC-ROX-070925
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/11/25 07:00	07/14/25 21:46	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pentachlorophenol	ND		10	2.8	ug/L		07/11/25 07:00	07/14/25 21:46	1
Phenol	ND		10	0.68	ug/L		07/11/25 07:00	07/14/25 21:46	1
Pyridine	ND	*+ UJ	10	3.0	ug/L		07/11/25 07:00	07/14/25 21:46	1
Quinoline	ND	*+	10	0.50	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/11/25 07:00	07/14/25 21:46	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/11/25 07:00	07/14/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2-Fluorophenol	*113*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Phenol-d5	*123*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*
2,4,6-Tribromophenol	*112*		*10 - 150*	*07/11/25 07:00*	*07/14/25 21:46*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925-DUP

Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 19:11	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/15/25 19:11*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 19:11*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/15/25 19:11*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:06	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:06	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:06	1
Benzene	**1.0**		1.0	0.50	ug/L			07/14/25 18:06	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:06	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:06	1
2-Butanone (MEK)	**7.9**	**J**	25	2.6	ug/L			07/14/25 18:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:06	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:06	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:06	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:06	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:06	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:06	1
Isopropylbenzene	**4.6**		1.0	0.53	ug/L			07/14/25 18:06	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:06	1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:06	1
m-Xylene & p-Xylene	**29**		5.0	3.0	ug/L			07/14/25 18:06	1
Naphthalene	**77**		5.0	3.0	ug/L			07/14/25 18:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:06	1
N-Propylbenzene	**5.7**		1.0	0.69	ug/L			07/14/25 18:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:06	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:06	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:06	1
Toluene	**8.8**		1.0	0.90	ug/L			07/14/25 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:06	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:06	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:06	1
1,2,4-Trimethylbenzene	**4.2**		1.0	0.82	ug/L			07/14/25 18:06	1
1,3,5-Trimethylbenzene	**2.7**		1.0	0.56	ug/L			07/14/25 18:06	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:06	1
Xylenes, Total	**31**		10	6.0	ug/L			07/14/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 18:06*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 18:06*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 18:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.0**		0.19	0.082	ug/L		07/11/25 07:00	07/14/25 22:23	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/14/25 22:23	1
Acenaphthylene	**0.095**	J	0.19	0.045	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzenethiol	ND		9.6	0.58	ug/L		07/11/25 07:00	07/14/25 22:23	1
Anthracene	**0.20**	J	0.19	0.070	ug/L		07/11/25 07:00	07/15/25 15:27	1
Benzoic acid	ND		96	77	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.33	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 22:23	1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/14/25 22:23	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/11/25 07:00	07/14/25 22:23	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/14/25 22:23	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/11/25 07:00	07/14/25 22:23	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/14/25 22:23	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/14/25 22:23	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/14/25 22:23	1
Fluorene	**0.62**		0.19	0.084	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/11/25 07:00	07/14/25 22:23	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/14/25 22:23	1
1-Methylnaphthalene	**26**		0.19	0.064	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Methylnaphthalene	**13**		0.19	0.074	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenz[a,h]acridine	ND	*+	9.6	0.67	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dibenzofuran	**0.64**	J *+ J	9.6	0.62	ug/L		07/11/25 07:00	07/14/25 22:23	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/14/25 22:23	1
Phenanthrene	**0.90**		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 15:27	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pyrene	ND		0.19	0.092	ug/L		07/11/25 07:00	07/14/25 22:23	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/14/25 22:23	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/14/25 22:23	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/14/25 22:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/14/25 22:23	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/14/25 22:23	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/14/25 22:23	1
Isophorone	ND		9.6	0.77	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/14/25 22:23	1
3 & 4 Methylphenol	ND		19	4.4	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/14/25 22:23	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/11/25 07:00	07/14/25 22:23	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/11/25 07:00	07/14/25 22:23	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 22:23	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/14/25 22:23	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/11/25 07:00	07/14/25 22:23	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZC-ROX-070925-DUP
Date Collected: 07/09/25 10:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/14/25 22:23	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/14/25 22:23	1
Phenol	ND		9.6	0.66	ug/L		07/11/25 07:00	07/14/25 22:23	1
Pyridine	ND	*+ UJ	9.6	2.9	ug/L		07/11/25 07:00	07/14/25 22:23	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/14/25 22:23	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/14/25 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Terphenyl-d14	*66*		*43 - 147*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2-Fluorobiphenyl	*94*		*25 - 139*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2-Fluorophenol	*117*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Nitrobenzene-d5	*101*		*22 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Phenol-d5	*130*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
Terphenyl-d14	*66*		*28 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/11/25 07:00*	*07/14/25 22:23*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZG-ROX-070925

Lab Sample ID: 400-278969-12

Date Collected: 07/09/25 12:40

Matrix: Water

Date Received: 07/10/25 09:30

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 19:35	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/15/25 19:35*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/15/25 19:35*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/15/25 19:35*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:26	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:26	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:26	1
Benzene	**8.3**		1.0	0.50	ug/L			07/14/25 18:26	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:26	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:26	1
2-Butanone (MEK)	**8.7**	**J**	25	2.6	ug/L			07/14/25 18:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:26	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:26	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:26	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:26	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:26	1
Ethylbenzene	**0.91**	**J**	1.0	0.50	ug/L			07/14/25 18:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:26	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:26	1
Isopropylbenzene	**2.2**		1.0	0.53	ug/L			07/14/25 18:26	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:26	1

Client Sample ID: ROST4PZG-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:26	1
m-Xylene & p-Xylene	**4.4**	**J**	5.0	3.0	ug/L			07/14/25 18:26	1
Naphthalene	**5.3**		5.0	3.0	ug/L			07/14/25 18:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:26	1
N-Propylbenzene	**2.5**		1.0	0.69	ug/L			07/14/25 18:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:26	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:26	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:26	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:26	1
Toluene	**1.3**		1.0	0.90	ug/L			07/14/25 18:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:26	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:26	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:26	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:26	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:26	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 18:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 18:26	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:26	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 18:26*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*07/14/25 18:26*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 18:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.086**	**J**	0.19	0.082	ug/L		07/11/25 07:00	07/15/25 13:32	1
Aniline	ND	*+	9.6	0.71	ug/L		07/11/25 07:00	07/15/25 13:32	1
Acenaphthylene	ND		0.19	0.045	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzenethiol	ND		9.6	0.58	ug/L		07/11/25 07:00	07/15/25 13:32	1
Anthracene	ND		0.19	0.070	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzoic acid	ND		96	77	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzyl alcohol	ND		34	29	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-chloroethoxy)methane	ND	*+	9.6	0.33	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-chloroethyl)ether	ND		9.6	0.70	ug/L		07/11/25 07:00	07/15/25 13:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZG-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		07/11/25 07:00	07/15/25 13:32	1
bis (2-chloroisopropyl) ether	ND		9.6	0.90	ug/L		07/11/25 07:00	07/15/25 13:32	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		07/11/25 07:00	07/15/25 13:32	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		07/11/25 07:00	07/15/25 13:32	1
Chrysene	ND		0.19	0.038	ug/L		07/11/25 07:00	07/15/25 13:32	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chloroaniline	ND		9.6	0.27	ug/L		07/11/25 07:00	07/15/25 13:32	1
Fluoranthene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		07/11/25 07:00	07/15/25 13:32	1
Fluorene	ND		0.19	0.084	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Chloronaphthalene	ND		9.6	0.37	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Chlorophenol	ND		9.6	0.81	ug/L		07/11/25 07:00	07/15/25 13:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		07/11/25 07:00	07/15/25 13:32	1
1-Methylnaphthalene	**3.7**		0.19	0.064	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Methylnaphthalene	**1.3**		0.19	0.074	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenz[a,h]acridine	ND	*+	9.6	0.67	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dibenzofuran	ND	*+	9.6	0.62	ug/L		07/11/25 07:00	07/15/25 13:32	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/11/25 07:00	07/15/25 13:32	1
Phenanthrene	ND		0.19	0.042	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pyrene	ND		0.19	0.092	ug/L		07/11/25 07:00	07/15/25 13:32	1
Diethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		07/11/25 07:00	07/15/25 13:32	1
Dimethyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		07/11/25 07:00	07/15/25 13:32	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
1,4-Dioxane	ND		9.6	4.1	ug/L		07/11/25 07:00	07/15/25 13:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.90	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		07/11/25 07:00	07/15/25 13:32	1
Hexachloroethane	ND		9.6	0.51	ug/L		07/11/25 07:00	07/15/25 13:32	1
Indene	ND		9.6	0.42	ug/L		07/11/25 07:00	07/15/25 13:32	1
Isophorone	ND		9.6	0.77	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Methylphenol	ND		9.6	0.73	ug/L		07/11/25 07:00	07/15/25 13:32	1
3 & 4 Methylphenol	**10**	**J**	19	4.4	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Nitroaniline	ND		9.6	1.3	ug/L		07/11/25 07:00	07/15/25 13:32	1
3-Nitroaniline	ND		9.6	0.92	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Nitroaniline	ND		9.6	3.4	ug/L		07/11/25 07:00	07/15/25 13:32	1
Nitrobenzene	ND		9.6	0.58	ug/L		07/11/25 07:00	07/15/25 13:32	1
2-Nitrophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/15/25 13:32	1
4-Nitrophenol	ND		9.6	2.6	ug/L		07/11/25 07:00	07/15/25 13:32	1
N-Nitrosodimethylamine	ND		9.6	0.94	ug/L		07/11/25 07:00	07/15/25 13:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Client Sample ID: ROST4PZG-ROX-070925
Date Collected: 07/09/25 12:40
Date Received: 07/10/25 09:30

Lab Sample ID: 400-278969-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		07/11/25 07:00	07/15/25 13:32	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pentachlorophenol	ND		9.6	2.7	ug/L		07/11/25 07:00	07/15/25 13:32	1
Phenol	**0.91**	**J**	9.6	0.66	ug/L		07/11/25 07:00	07/15/25 13:32	1
Pyridine	ND	*+	9.6	2.9	ug/L		07/11/25 07:00	07/15/25 13:32	1
Quinoline	ND	*+	9.6	0.48	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		07/11/25 07:00	07/15/25 13:32	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		07/11/25 07:00	07/15/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2-Fluorobiphenyl	*91*		*25 - 139*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2-Fluorophenol	*117*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Phenol-d5	*132*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*
2,4,6-Tribromophenol	*108*		*10 - 150*	*07/11/25 07:00*	*07/15/25 13:32*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD 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/MS Semi 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.
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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-278969-1	TB-ROX-070925-8260-A	100	103	101
400-278969-3	MW6C-ROX-070925	104	101	102
400-278969-3 MS	MW6C-ROX-070925	101	95	101
400-278969-3 MSD	MW6C-ROX-070925	101	94	100
400-278969-4	MW6D-ROX-070925	103	104	102
400-278969-4 - RA	MW6D-ROX-070925	103	104	101
400-278969-5	MW13-ROX-070925	104	104	101
400-278969-6	P114R-ROX-070925	104	101	102
400-278969-7	TB-ROX-070925-8260-B	103	104	102
400-278969-9	ROST4PZE-ROX-070925	100	105	100
400-278969-10	ROST4PZC-ROX-070925	102	95	105
400-278969-11	ROST4PZC-ROX-070925-DUP	102	96	103
400-278969-12	ROST4PZG-ROX-070925	104	94	104
LCS 400-715908/1002	Lab Control Sample	100	96	102
LCS 400-716006/1002	Lab Control Sample	100	94	101
MB 400-715908/4	Method Blank	104	105	102
MB 400-716006/4	Method Blank	102	103	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-278969-2	TB-ROX-070925-8260SIM-A	105	98	103
400-278969-3	MW6C-ROX-070925	105	97	100
400-278969-4	MW6D-ROX-070925	105	97	101
400-278969-5	MW13-ROX-070925	103	97	102
400-278969-6	P114R-ROX-070925	101	96	104
400-278969-8	TB-ROX-070925-8260SIM-B	106	98	103
400-278969-9	ROST4PZE-ROX-070925	101	99	103
400-278969-10	ROST4PZC-ROX-070925	95	100	104
400-278969-11	ROST4PZC-ROX-070925-DUP	94	99	104
400-278969-12	ROST4PZG-ROX-070925	94	99	106
LCS 400-716033/1004	Lab Control Sample	98	99	101
MB 400-716033/5	Method Blank	104	98	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-278969-3	MW6C-ROX-070925	97	99	70	97	107	99	114	70
400-278969-4	MW6D-ROX-070925	88	88	54	88	115	88	132	54
400-278969-5	MW13-ROX-070925	87	91	60	87	107	91	115	60
400-278969-6	P114R-ROX-070925	91	92	60	91	113	92	126	60
400-278969-9	ROST4PZE-ROX-070925	94	102	73	94	124	102	134	73
400-278969-10	ROST4PZC-ROX-070925	94	102	61	94	113	102	123	61
400-278969-11	ROST4PZC-ROX-070925-DUP	94	101	66	94	117	101	130	66
400-278969-12	ROST4PZG-ROX-070925	91	83	61	91	117	83	132	61
LCS 400-715763/2-A	Lab Control Sample				87	93	89	118	81
LCS 400-715763/2-A	Lab Control Sample	89	98	76					
LCS 400-715763/4-A	Lab Control Sample				88	91	87	107	73
LCSD 400-715763/3-A	Lab Control Sample Dup				98	131	104	159 S1+	94
LCSD 400-715763/3-A	Lab Control Sample Dup	103	118	89					
LCSD 400-715763/5-A	Lab Control Sample Dup				93	114	95	132	80
MB 400-715763/1-A	Method Blank	89	94	75	89	85	94	96	75

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-278969-3	MW6C-ROX-070925	101
400-278969-4	MW6D-ROX-070925	90
400-278969-5	MW13-ROX-070925	104
400-278969-6	P114R-ROX-070925	105
400-278969-9	ROST4PZE-ROX-070925	112
400-278969-10	ROST4PZC-ROX-070925	112
400-278969-11	ROST4PZC-ROX-070925-DUP	110
400-278969-12	ROST4PZG-ROX-070925	108
LCS 400-715763/2-A	Lab Control Sample	87
LCS 400-715763/2-A	Lab Control Sample	
LCS 400-715763/4-A	Lab Control Sample	74
LCSD 400-715763/3-A	Lab Control Sample Dup	121
LCSD 400-715763/3-A	Lab Control Sample Dup	
LCSD 400-715763/5-A	Lab Control Sample Dup	84
MB 400-715763/1-A	Method Blank	62

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-278969-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-070925-8260-A
Lab Sample ID: 400-278969-1
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 14:17	RSG	EET PEN

Client Sample ID: TB-ROX-070925-8260SIM-A
Lab Sample ID: 400-278969-2
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 13:44	NMB	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 12:33	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 16:51	NMB	EET PEN
Total/NA	Prep	3511			32.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 18:44	JAW	EET PEN
Total/NA	Prep	3511			32.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 18:44	JAW	EET PEN

Client Sample ID: MW6D-ROX-070925
Lab Sample ID: 400-278969-4
Date Collected: 07/09/25 09:55
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 15:19	RSG	EET PEN
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	716006	07/15/25 15:03	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 17:14	NMB	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 19:21	JAW	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 19:21	JAW	EET PEN

Client Sample ID: MW13-ROX-070925
Lab Sample ID: 400-278969-5
Date Collected: 07/09/25 11:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 16:22	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 17:38	NMB	EET PEN
Total/NA	Prep	3511			31.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 19:57	JAW	EET PEN
Total/NA	Prep	3511			31.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 19:57	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P114R-ROX-070925
Lab Sample ID: 400-278969-6
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 16:42	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:01	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 20:33	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 20:33	JAW	EET PEN

Client Sample ID: TB-ROX-070925-8260-B
Lab Sample ID: 400-278969-7
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:03	RSG	EET PEN

Client Sample ID: TB-ROX-070925-8260SIM-B
Lab Sample ID: 400-278969-8
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 14:07	NMB	EET PEN

Client Sample ID: ROST4PZE-ROX-070925
Lab Sample ID: 400-278969-9
Date Collected: 07/09/25 09:15
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:24	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:25	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 21:09	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 21:09	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925
Lab Sample ID: 400-278969-10
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 17:45	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 18:48	NMB	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 21:46	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 21:46	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925
Lab Sample ID: 400-278969-10
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 14:56	JAW	EET PEN

Client Sample ID: ROST4PZC-ROX-070925-DUP
Lab Sample ID: 400-278969-11
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:06	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 19:11	NMB	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715880	07/14/25 22:23	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 22:23	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 15:27	JAW	EET PEN

Client Sample ID: ROST4PZG-ROX-070925
Lab Sample ID: 400-278969-12
Date Collected: 07/09/25 12:40
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:26	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716033	07/15/25 19:35	NMB	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 13:32	UI	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 13:32	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715763/1-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	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715728	07/11/25 16:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 16:38	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715908/4
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	8260D		1	5 mL	5 mL	715908	07/14/25 11:48	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716006/4

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	8260D		1	5 mL	5 mL	716006	07/15/25 10:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716033/5

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	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:46	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715763/2-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	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 17:15	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 13:22	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715763/4-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	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 17:32	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715908/1002

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	8260D		1	5 mL	5 mL	715908	07/14/25 10:38	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716006/1002

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	8260D		1	5 mL	5 mL	716006	07/15/25 09:24	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716033/1004
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	8260D SIM		1	5 mL	5 mL	716033	07/15/25 11:08	NMB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715763/3-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	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715729	07/11/25 17:51	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			716020	07/15/25 14:24	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715763/5-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	3511			30 mL	2 mL	715763	07/11/25 07:00	EJW	EET PEN
Total/NA	Analysis	8270E		1			715881	07/14/25 18:08	JAW	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3 MS
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 13:14	RSG	EET PEN

Client Sample ID: MW6C-ROX-070925
Lab Sample ID: 400-278969-3 MSD
Date Collected: 07/09/25 09:10
Matrix: Water
Date Received: 07/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 13:35	RSG	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 715908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-1	TB-ROX-070925-8260-A	Total/NA	Water	8260D	
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8260D	
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8260D	
400-278969-5	MW13-ROX-070925	Total/NA	Water	8260D	
400-278969-6	P114R-ROX-070925	Total/NA	Water	8260D	
400-278969-7	TB-ROX-070925-8260-B	Total/NA	Water	8260D	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8260D	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8260D	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8260D	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8260D	
MB 400-715908/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715908/1002	Lab Control Sample	Total/NA	Water	8260D	
400-278969-3 MS	MW6C-ROX-070925	Total/NA	Water	8260D	
400-278969-3 MSD	MW6C-ROX-070925	Total/NA	Water	8260D	

Analysis Batch: 716006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-4 - RA	MW6D-ROX-070925	Total/NA	Water	8260D	
MB 400-716006/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716006/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-2	TB-ROX-070925-8260SIM-A	Total/NA	Water	8260D SIM	
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-5	MW13-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-6	P114R-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-8	TB-ROX-070925-8260SIM-B	Total/NA	Water	8260D SIM	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8260D SIM	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8260D SIM	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8260D SIM	
MB 400-716033/5	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716033/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

GC/MS Semi VOA

Analysis Batch: 715728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715763/1-A	Method Blank	Total/NA	Water	8270E	715763

Analysis Batch: 715729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715763/1-A	Method Blank	Total/NA	Water	8270E	715763
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Prep Batch: 715763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-4	MW6D-ROX-070925	Total/NA	Water	3511	
400-278969-5	MW13-ROX-070925	Total/NA	Water	3511	
400-278969-6	P114R-ROX-070925	Total/NA	Water	3511	
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	3511	
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	3511	
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	3511	
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	3511	
MB 400-715763/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715763/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715763/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 715880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8270E	715763
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8270E	715763
400-278969-5	MW13-ROX-070925	Total/NA	Water	8270E	715763
400-278969-6	P114R-ROX-070925	Total/NA	Water	8270E	715763
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8270E	715763
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763

Analysis Batch: 715881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-3	MW6C-ROX-070925	Total/NA	Water	8270E	715763
400-278969-4	MW6D-ROX-070925	Total/NA	Water	8270E	715763
400-278969-5	MW13-ROX-070925	Total/NA	Water	8270E	715763
400-278969-6	P114R-ROX-070925	Total/NA	Water	8270E	715763
400-278969-9	ROST4PZE-ROX-070925	Total/NA	Water	8270E	715763
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763
LCS 400-715763/4-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Analysis Batch: 716008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8270E	715763

Analysis Batch: 716009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-12	ROST4PZG-ROX-070925	Total/NA	Water	8270E	715763

Analysis Batch: 716020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-278969-10	ROST4PZC-ROX-070925	Total/NA	Water	8270E	715763
400-278969-11	ROST4PZC-ROX-070925-DUP	Total/NA	Water	8270E	715763
LCS 400-715763/2-A	Lab Control Sample	Total/NA	Water	8270E	715763
LCSD 400-715763/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715763

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

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			07/14/25 11:48	1
Acrolein	ND		20	3.3	ug/L			07/14/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 11:48	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 11:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 11:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 11:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 11:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 11:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 11:48	1

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

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

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			07/14/25 11:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 11:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 11:48	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 11:48*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 11:48*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 11:48*	*1*

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	232		ug/L		116	43 - 150
Acrolein	500	435		ug/L		87	38 - 150
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	54.5		ug/L		109	70 - 130
Bromobenzene	50.0	51.6		ug/L		103	70 - 132
Bromochloromethane	50.0	49.5		ug/L		99	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	50.6		ug/L		101	57 - 140
Bromomethane	50.0	36.6		ug/L		73	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	48.4		ug/L		97	61 - 137
Carbon tetrachloride	50.0	49.0		ug/L		98	61 - 137
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	50.0	41.2		ug/L		82	55 - 141
2-Chloroethyl vinyl ether	50.0	45.1		ug/L		90	10 - 150

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

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	57.7		ug/L		115	69 - 130
Chloromethane	50.0	38.2		ug/L		76	58 - 137
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	69 - 132
Dibromochloromethane	50.0	51.6		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	36.1		ug/L		72	41 - 146
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.0		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	55.4		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	53.6		ug/L		107	53 - 140
2-Hexanone	200	273		ug/L		136	65 - 137
Isopropylbenzene	50.0	55.0		ug/L		110	70 - 130
Methylene bromide	50.0	48.9		ug/L		98	70 - 130
Methylene Chloride	50.0	46.7		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.0		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	53.9		ug/L		108	70 - 130
Naphthalene	50.0	51.5		ug/L		103	47 - 149
n-Butylbenzene	50.0	60.2		ug/L		120	67 - 130
N-Propylbenzene	50.0	56.9		ug/L		114	70 - 130
o-Chlorotoluene	50.0	55.6		ug/L		111	70 - 130
o-Xylene	50.0	54.0		ug/L		108	70 - 130
p-Chlorotoluene	50.0	56.8		ug/L		114	70 - 130
p-Isopropyltoluene	50.0	57.5		ug/L		115	65 - 130
sec-Butylbenzene	50.0	57.8		ug/L		116	66 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
tert-Butylbenzene	50.0	55.1		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	51.4		ug/L		103	65 - 130
Toluene	50.0	54.3		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	54.5		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	38.0		ug/L		76	65 - 138

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

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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	55.2		ug/L		110	70 - 130		
1,2,4-Trimethylbenzene			50.0	58.1		ug/L		116	70 - 130		
1,3,5-Trimethylbenzene			50.0	59.2		ug/L		118	69 - 130		
Vinyl acetate			100	87.9		ug/L		88	26 - 150		
Vinyl chloride			50.0	41.5		ug/L		83	59 - 136		
Xylenes, Total			100	108		ug/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: 400-278969-3 MS
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	ND	F1 F2	200	104		ug/L		52	43 - 150		
Acrolein	ND	F2	500	489		ug/L		98	38 - 150		
Acrylonitrile	ND	F2	500	635		ug/L		127	62 - 149		
Benzene	ND	F2	50.0	62.5		ug/L		125	56 - 142		
Bromobenzene	ND	F2	50.0	55.8		ug/L		112	59 - 136		
Bromochloromethane	ND	F2	50.0	58.3		ug/L		117	64 - 140		
Bromodichloromethane	ND	F2	50.0	58.2		ug/L		116	59 - 143		
Bromoform	ND	F2	50.0	58.1		ug/L		116	50 - 140		
Bromomethane	ND		50.0	38.9		ug/L		78	10 - 150		
2-Butanone (MEK)	ND	F1 F2	200	160		ug/L		80	55 - 150		
Carbon disulfide	ND	F2	50.0	55.8		ug/L		112	48 - 150		
Carbon tetrachloride	ND	F2	50.0	54.6		ug/L		109	55 - 145		
Chlorobenzene	ND	F2	50.0	58.3		ug/L		117	64 - 130		
Chloroethane	ND		50.0	47.8		ug/L		96	50 - 150		
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150		
Chloroform	ND	F2	50.0	57.0		ug/L		114	60 - 141		
1-Chlorohexane	ND	F2	50.0	55.9		ug/L		112	56 - 136		
Chloromethane	ND	F2	50.0	43.7		ug/L		87	49 - 148		
cis-1,2-Dichloroethene	ND	F2	50.0	57.6		ug/L		115	59 - 143		
cis-1,3-Dichloropropene	ND	F2	50.0	61.2		ug/L		122	57 - 140		
Dibromochloromethane	ND	F2	50.0	60.3		ug/L		121	56 - 143		
1,2-Dichlorobenzene	ND	F2	50.0	55.9		ug/L		112	52 - 137		
1,3-Dichlorobenzene	ND	F2	50.0	52.8		ug/L		106	54 - 135		
1,4-Dichlorobenzene	ND	F2	50.0	55.4		ug/L		111	53 - 135		
Dichlorodifluoromethane	ND	F2	50.0	39.8		ug/L		80	16 - 150		
1,1-Dichloroethane	ND	F2	50.0	58.9		ug/L		118	61 - 144		
1,2-Dichloroethane	ND	F2	50.0	57.0		ug/L		114	60 - 141		
1,1-Dichloroethene	ND	F2	50.0	55.8		ug/L		112	54 - 147		
1,2-Dichloropropane	ND	F2	50.0	63.2		ug/L		126	66 - 137		
1,3-Dichloropropane	ND	F2	50.0	63.7		ug/L		127	66 - 133		
2,2-Dichloropropane	ND	F2	50.0	53.7		ug/L		107	42 - 144		

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

Lab Sample ID: 400-278969-3 MS
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	ND	F2	50.0	58.3		ug/L		117	65 - 136
Ethylbenzene	ND	F2	50.0	56.4		ug/L		113	58 - 131
Ethyl methacrylate	ND	F1 F2	50.0	66.1	F1	ug/L		132	64 - 130
Hexachlorobutadiene	ND	F2	50.0	41.3		ug/L		83	31 - 149
2-Hexanone	ND	F1 F2	200	196		ug/L		98	65 - 140
Isopropylbenzene	ND	F2	50.0	53.7		ug/L		107	56 - 133
Methylene bromide	ND	F2	50.0	57.9		ug/L		116	63 - 138
Methylene Chloride	ND	F2	50.0	57.1		ug/L		114	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F2	200	248		ug/L		124	63 - 146
Methyl tert-butyl ether	ND	F2	50.0	58.8		ug/L		118	59 - 137
m-Xylene & p-Xylene	ND	F2	50.0	55.6		ug/L		111	57 - 130
Naphthalene	ND	F2	50.0	57.2		ug/L		114	25 - 150
n-Butylbenzene	ND	F2	50.0	49.4		ug/L		99	41 - 142
N-Propylbenzene	ND	F2	50.0	52.8		ug/L		106	51 - 138
o-Chlorotoluene	ND	F2	50.0	52.4		ug/L		105	53 - 134
o-Xylene	ND	F2	50.0	56.3		ug/L		113	61 - 130
p-Chlorotoluene	ND	F2	50.0	54.8		ug/L		110	54 - 133
p-Isopropyltoluene	ND	F2	50.0	51.5		ug/L		103	48 - 139
sec-Butylbenzene	ND	F2	50.0	52.0		ug/L		104	50 - 138
Styrene	ND	F2	50.0	56.9		ug/L		114	58 - 131
tert-Butylbenzene	ND	F2	50.0	52.1		ug/L		104	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	50.0	59.1		ug/L		118	59 - 137
1,1,2,2-Tetrachloroethane	ND	F2	50.0	66.7		ug/L		133	66 - 135
Tetrachloroethene	ND	F2	50.0	58.3		ug/L		117	52 - 133
Toluene	ND	F2	50.0	59.7		ug/L		119	65 - 130
trans-1,2-Dichloroethene	ND	F2	50.0	58.6		ug/L		117	61 - 143
trans-1,3-Dichloropropene	ND	F2	50.0	63.1		ug/L		126	53 - 133
1,2,3-Trichlorobenzene	ND	F2	50.0	50.2		ug/L		100	43 - 145
1,2,4-Trichlorobenzene	ND	F2	50.0	47.9		ug/L		96	39 - 148
1,1,1-Trichloroethane	ND	F2	50.0	55.4		ug/L		111	57 - 142
1,1,2-Trichloroethane	ND	F2	50.0	64.0		ug/L		128	66 - 131
Trichloroethene	ND	F2	50.0	55.5		ug/L		111	64 - 136
Trichlorofluoromethane	ND	F2	50.0	41.2		ug/L		82	54 - 150
1,2,3-Trichloropropane	ND	F2	50.0	65.9		ug/L		132	65 - 133
1,2,4-Trimethylbenzene	ND	F2	50.0	56.3		ug/L		113	50 - 139
1,3,5-Trimethylbenzene	ND	F2	50.0	55.8		ug/L		112	52 - 135
Vinyl acetate	ND	F2	100	98.0		ug/L		98	26 - 150
Vinyl chloride	ND	F2	50.0	46.5		ug/L		93	46 - 150
Xylenes, Total	ND	F2	100	112		ug/L		112	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: 400-278969-3 MSD
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
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 F2	200	65.3	F1 F2	ug/L		33	43 - 150	46	30
Acrolein	ND	F2	500	337	F2	ug/L		67	38 - 150	37	31
Acrylonitrile	ND	F2	500	396	F2	ug/L		79	62 - 149	46	30
Benzene	ND	F2	50.0	38.5	F2	ug/L		77	56 - 142	47	30
Bromobenzene	ND	F2	50.0	33.8	F2	ug/L		68	59 - 136	49	30
Bromochloromethane	ND	F2	50.0	35.7	F2	ug/L		71	64 - 140	48	30
Bromodichloromethane	ND	F2	50.0	36.6	F2	ug/L		73	59 - 143	46	30
Bromoform	ND	F2	50.0	36.6	F2	ug/L		73	50 - 140	45	30
Bromomethane	ND		50.0	27.7		ug/L		55	10 - 150	34	50
2-Butanone (MEK)	ND	F1 F2	200	100	F1 F2	ug/L		50	55 - 150	46	30
Carbon disulfide	ND	F2	50.0	34.2	F2	ug/L		68	48 - 150	48	30
Carbon tetrachloride	ND	F2	50.0	33.6	F2	ug/L		67	55 - 145	48	30
Chlorobenzene	ND	F2	50.0	35.9	F2	ug/L		72	64 - 130	47	30
Chloroethane	ND		50.0	35.9		ug/L		72	50 - 150	28	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND	F2	50.0	35.3	F2	ug/L		71	60 - 141	47	30
1-Chlorohexane	ND	F2	50.0	32.8	F2	ug/L		66	56 - 136	52	30
Chloromethane	ND	F2	50.0	30.0	F2	ug/L		60	49 - 148	37	31
cis-1,2-Dichloroethene	ND	F2	50.0	35.4	F2	ug/L		71	59 - 143	48	30
cis-1,3-Dichloropropene	ND	F2	50.0	37.2	F2	ug/L		74	57 - 140	49	30
Dibromochloromethane	ND	F2	50.0	37.0	F2	ug/L		74	56 - 143	48	30
1,2-Dichlorobenzene	ND	F2	50.0	33.9	F2	ug/L		68	52 - 137	49	30
1,3-Dichlorobenzene	ND	F2	50.0	31.8	F2	ug/L		64	54 - 135	50	30
1,4-Dichlorobenzene	ND	F2	50.0	33.7	F2	ug/L		67	53 - 135	49	30
Dichlorodifluoromethane	ND	F2	50.0	28.5	F2	ug/L		57	16 - 150	33	31
1,1-Dichloroethane	ND	F2	50.0	37.2	F2	ug/L		74	61 - 144	45	30
1,2-Dichloroethane	ND	F2	50.0	36.0	F2	ug/L		72	60 - 141	45	30
1,1-Dichloroethene	ND	F2	50.0	35.0	F2	ug/L		70	54 - 147	46	30
1,2-Dichloropropane	ND	F2	50.0	39.1	F2	ug/L		78	66 - 137	47	30
1,3-Dichloropropane	ND	F2	50.0	39.7	F2	ug/L		79	66 - 133	46	30
2,2-Dichloropropane	ND	F2	50.0	33.3	F2	ug/L		67	42 - 144	47	31
1,1-Dichloropropene	ND	F2	50.0	36.2	F2	ug/L		72	65 - 136	47	30
Ethylbenzene	ND	F2	50.0	34.2	F2	ug/L		68	58 - 131	49	30
Ethyl methacrylate	ND	F1 F2	50.0	40.6	F2	ug/L		81	64 - 130	48	30
Hexachlorobutadiene	ND	F2	50.0	24.5	F2	ug/L		49	31 - 149	51	36
2-Hexanone	ND	F1 F2	200	124	F1 F2	ug/L		62	65 - 140	45	30
Isopropylbenzene	ND	F2	50.0	31.6	F2	ug/L		63	56 - 133	52	30
Methylene bromide	ND	F2	50.0	35.9	F2	ug/L		72	63 - 138	47	30
Methylene Chloride	ND	F2	50.0	34.9	F2	ug/L		70	60 - 146	48	32
4-Methyl-2-pentanone (MIBK)	ND	F2	200	154	F2	ug/L		77	63 - 146	47	30
Methyl tert-butyl ether	ND	F2	50.0	36.7	F2	ug/L		73	59 - 137	46	30
m-Xylene & p-Xylene	ND	F2	50.0	33.1	F2	ug/L		66	57 - 130	51	30
Naphthalene	ND	F2	50.0	37.3	F2	ug/L		75	25 - 150	42	30
n-Butylbenzene	ND	F2	50.0	28.5	F2	ug/L		57	41 - 142	54	31
N-Propylbenzene	ND	F2	50.0	31.4	F2	ug/L		63	51 - 138	51	30
o-Chlorotoluene	ND	F2	50.0	31.4	F2	ug/L		63	53 - 134	50	30
o-Xylene	ND	F2	50.0	33.5	F2	ug/L		67	61 - 130	51	30
p-Chlorotoluene	ND	F2	50.0	32.5	F2	ug/L		65	54 - 133	51	30

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

Lab Sample ID: 400-278969-3 MSD
Matrix: Water
Analysis Batch: 715908

Client Sample ID: MW6C-ROX-070925
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	F2	50.0	30.1	F2	ug/L		60	48 - 139	52	30
sec-Butylbenzene	ND	F2	50.0	30.5	F2	ug/L		61	50 - 138	52	30
Styrene	ND	F2	50.0	33.7	F2	ug/L		67	58 - 131	51	30
tert-Butylbenzene	ND	F2	50.0	30.8	F2	ug/L		62	54 - 146	52	30
1,1,1,2-Tetrachloroethane	ND	F2	50.0	36.5	F2	ug/L		73	59 - 137	47	30
1,1,2,2-Tetrachloroethane	ND	F2	50.0	41.2	F2	ug/L		82	66 - 135	47	30
Tetrachloroethene	ND	F2	50.0	41.1	F2	ug/L		82	52 - 133	35	30
Toluene	ND	F2	50.0	36.2	F2	ug/L		72	65 - 130	49	30
trans-1,2-Dichloroethene	ND	F2	50.0	36.0	F2	ug/L		72	61 - 143	48	30
trans-1,3-Dichloropropene	ND	F2	50.0	38.4	F2	ug/L		77	53 - 133	49	30
1,2,3-Trichlorobenzene	ND	F2	50.0	32.5	F2	ug/L		65	43 - 145	43	30
1,2,4-Trichlorobenzene	ND	F2	50.0	30.4	F2	ug/L		61	39 - 148	45	30
1,1,1-Trichloroethane	ND	F2	50.0	33.9	F2	ug/L		68	57 - 142	48	30
1,1,2-Trichloroethane	ND	F2	50.0	39.4	F2	ug/L		79	66 - 131	48	30
Trichloroethene	ND	F2	50.0	34.7	F2	ug/L		69	64 - 136	46	30
Trichlorofluoromethane	ND	F2	50.0	28.2	F2	ug/L		56	54 - 150	37	30
1,2,3-Trichloropropane	ND	F2	50.0	41.2	F2	ug/L		82	65 - 133	46	30
1,2,4-Trimethylbenzene	ND	F2	50.0	32.9	F2	ug/L		66	50 - 139	52	30
1,3,5-Trimethylbenzene	ND	F2	50.0	33.0	F2	ug/L		66	52 - 135	51	30
Vinyl acetate	ND	F2	100	67.3	F2	ug/L		67	26 - 150	37	33
Vinyl chloride	ND	F2	50.0	32.9	F2	ug/L		66	46 - 150	34	30
Xylenes, Total	ND	F2	100	66.6	F2	ug/L		67	59 - 130	51	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/15/25 10:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/15/25 10:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 10:32*	*1*

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			50.0	42.5		ug/L		85	58 - 137		

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

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: MB 400-716033/5
Matrix: Water
Analysis Batch: 716033

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/15/25 11:46	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/15/25 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/15/25 11:46*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/15/25 11:46*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/15/25 11:46*	*1*

Lab Sample ID: LCS 400-716033/1004
Matrix: Water
Analysis Batch: 716033

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.448		ug/L		90	50 - 150		
1,2-Dibromoethane			0.500	0.502		ug/L		100	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*50 - 150*
Toluene-d8 (Surr)	*99*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

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

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/11/25 07:00	07/11/25 16:38	1
Aniline	ND		10	0.74	ug/L		07/11/25 07:00	07/11/25 16:38	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzenethiol	ND		10	0.60	ug/L		07/11/25 07:00	07/11/25 16:38	1
Anthracene	ND		0.20	0.073	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzoic acid	ND		100	80	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzyl alcohol	ND		35	30	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/11/25 07:00	07/11/25 16:38	1

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

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/11/25 07:00	07/11/25 16:38	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/11/25 07:00	07/11/25 16:38	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/11/25 07:00	07/11/25 16:38	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/11/25 07:00	07/11/25 16:38	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/11/25 07:00	07/11/25 16:38	1
Chrysene	ND		0.20	0.039	ug/L		07/11/25 07:00	07/11/25 16:38	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chloroaniline	ND		10	0.28	ug/L		07/11/25 07:00	07/11/25 16:38	1
Fluoranthene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/11/25 07:00	07/11/25 16:38	1
Fluorene	ND		0.20	0.087	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Chlorophenol	ND		10	0.84	ug/L		07/11/25 07:00	07/11/25 16:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/11/25 07:00	07/11/25 16:38	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dibenzofuran	ND		10	0.64	ug/L		07/11/25 07:00	07/11/25 16:38	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/11/25 07:00	07/11/25 16:38	1
Phenanthrene	ND		0.20	0.044	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pyrene	ND		0.20	0.095	ug/L		07/11/25 07:00	07/11/25 16:38	1
Diethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/11/25 07:00	07/11/25 16:38	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/11/25 07:00	07/11/25 16:38	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
1,4-Dioxane	ND		10	4.3	ug/L		07/11/25 07:00	07/11/25 16:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/11/25 07:00	07/11/25 16:38	1
Hexachloroethane	ND		10	0.53	ug/L		07/11/25 07:00	07/11/25 16:38	1
Indene	ND		10	0.44	ug/L		07/11/25 07:00	07/11/25 16:38	1
Isophorone	ND		10	0.80	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Methylphenol	ND		10	0.76	ug/L		07/11/25 07:00	07/11/25 16:38	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Nitroaniline	ND		10	1.4	ug/L		07/11/25 07:00	07/11/25 16:38	1
3-Nitroaniline	ND		10	0.95	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Nitroaniline	ND		10	3.5	ug/L		07/11/25 07:00	07/11/25 16:38	1

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

Lab Sample ID: MB 400-715763/1-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		10	0.60	ug/L		07/11/25 07:00	07/11/25 16:38	1
2-Nitrophenol	ND		10	1.2	ug/L		07/11/25 07:00	07/11/25 16:38	1
4-Nitrophenol	ND		10	2.7	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/11/25 07:00	07/11/25 16:38	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pentachlorophenol	ND		10	2.8	ug/L		07/11/25 07:00	07/11/25 16:38	1
Phenol	ND		10	0.68	ug/L		07/11/25 07:00	07/11/25 16:38	1
Pyridine	ND		10	3.0	ug/L		07/11/25 07:00	07/11/25 16:38	1
Quinoline	ND		10	0.50	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/11/25 07:00	07/11/25 16:38	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/11/25 07:00	07/11/25 16:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*15 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Terphenyl-d14	*75*		*43 - 147*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2-Fluorobiphenyl	*89*		*25 - 139*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2-Fluorophenol	*85*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Phenol-d5	*96*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
Terphenyl-d14	*75*		*28 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*
2,4,6-Tribromophenol	*62*		*10 - 150*	*07/11/25 07:00*	*07/11/25 16:38*	*1*

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	56.9	*+	ug/L		171	10 - 134
Benzoic acid	214	157		ug/L		73	10 - 180
Benzyl alcohol	33.3	32.5	J	ug/L		98	10 - 150
Bis(2-chloroethoxy)methane	33.3	41.3	*+	ug/L		124	34 - 120
Bis(2-chloroethyl)ether	33.3	33.1		ug/L		99	32 - 114
bis (2-chloroisopropyl) ether	33.3	31.0		ug/L		93	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	32.8		ug/L		98	24 - 133
4-Bromophenyl phenyl ether	33.3	35.1		ug/L		105	24 - 120
Butyl benzyl phthalate	33.3	30.8		ug/L		92	24 - 140
4-Chloroaniline	33.3	45.9		ug/L		138	10 - 150
4-Chloro-3-methylphenol	33.3	35.4		ug/L		106	10 - 137
2-Chloronaphthalene	33.3	30.3		ug/L		91	10 - 150
2-Chlorophenol	33.3	29.5		ug/L		89	28 - 127
4-Chlorophenyl phenyl ether	33.3	31.4		ug/L		94	31 - 110
Dibenz[a,h]acridine	49.9	76.9	*+	ug/L		154	40 - 140
Dibenzofuran	33.3	40.3	*+	ug/L		121	35 - 110
3,3'-Dichlorobenzidine	33.3	32.1		ug/L		96	10 - 150
2,4-Dichlorophenol	33.3	29.9		ug/L		90	30 - 125
Diethyl phthalate	33.3	20.2		ug/L		61	31 - 118

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

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	33.3	31.4		ug/L		94	10 - 142
Dimethyl phthalate	33.3	26.3		ug/L		79	24 - 125
Di-n-butyl phthalate	33.3	24.3		ug/L		73	30 - 127
4,6-Dinitro-ortho-cresol	66.7	52.3		ug/L		78	10 - 150
2,4-Dinitrophenol	66.7	42.6		ug/L		64	10 - 150
2,4-Dinitrotoluene	33.3	33.5		ug/L		100	30 - 129
2,6-Dinitrotoluene	33.3	34.9		ug/L		105	34 - 132
Di-n-octyl phthalate	33.3	31.9		ug/L		96	28 - 142
1,4-Dioxane	33.3	39.2		ug/L		118	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.7		ug/L		89	29 - 121
Hexachlorobenzene	33.3	34.6		ug/L		104	29 - 113
Hexachlorocyclopentadiene	33.3	21.3		ug/L		64	10 - 150
Hexachloroethane	33.3	19.1		ug/L		57	10 - 112
Indene	50.0	53.3		ug/L		107	10 - 113
Isophorone	33.3	31.6		ug/L		95	29 - 125
2-Methylphenol	33.3	35.8		ug/L		108	11 - 121
3 & 4 Methylphenol	33.3	42.4		ug/L		127	10 - 150
2-Nitroaniline	33.3	39.3		ug/L		118	31 - 141
3-Nitroaniline	33.3	40.2		ug/L		121	33 - 136
4-Nitroaniline	33.3	37.9		ug/L		114	37 - 139
Nitrobenzene	33.3	32.0		ug/L		96	29 - 129
2-Nitrophenol	33.3	30.2		ug/L		91	31 - 142
4-Nitrophenol	66.7	73.3		ug/L		110	10 - 150
N-Nitrosodimethylamine	33.3	41.4		ug/L		124	10 - 136
N-Nitrosodi-n-propylamine	33.3	35.9		ug/L		108	53 - 134
N-Nitrosodiphenylamine	33.1	34.0		ug/L		103	62 - 132
Pentachlorophenol	66.7	65.1		ug/L		98	14 - 150
Phenol	33.3	47.8		ug/L		143	10 - 150
Pyridine	66.7	169	*+	ug/L		254	10 - 150
Quinoline	49.9	77.5	*+	ug/L		155	50 - 150
2,4,5-Trichlorophenol	33.3	29.2		ug/L		88	27 - 136
2,4,6-Trichlorophenol	33.3	27.9		ug/L		84	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*25 - 139*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*89*		*22 - 150*
Phenol-d5	*118*		*10 - 150*
Terphenyl-d14	*81*		*28 - 150*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	33.1		ug/L		99	29 - 110
Acenaphthylene	33.3	33.4		ug/L		100	30 - 112

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

Lab Sample ID: LCS 400-715763/2-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Anthracene			33.3	34.4		ug/L		103	31 - 120		
Benzo[a]anthracene			33.3	36.6		ug/L		110	36 - 118		
Benzo[a]pyrene			33.3	35.2		ug/L		105	29 - 120		
Benzo[b]fluoranthene			33.3	37.9		ug/L		114	32 - 119		
Benzo[g,h,i]perylene			33.3	31.0		ug/L		93	28 - 115		
Benzo[k]fluoranthene			33.3	34.6		ug/L		104	30 - 118		
Chrysene			33.3	34.2		ug/L		103	34 - 113		
Dibenz(a,h)anthracene			33.3	32.8		ug/L		98	29 - 117		
Fluoranthene			33.3	33.2		ug/L		100	30 - 124		
Fluorene			33.3	33.7		ug/L		101	30 - 118		
Indeno[1,2,3-cd]pyrene			33.3	32.9		ug/L		99	28 - 115		
1-Methylnaphthalene			33.3	31.8		ug/L		95	25 - 120		
2-Methylnaphthalene			33.3	31.3		ug/L		94	24 - 110		
Phenanthrene			33.3	33.2		ug/L		99	32 - 115		
Pyrene			33.3	33.7		ug/L		101	30 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*98*		*50 - 150*
Terphenyl-d14	*76*		*43 - 147*

Lab Sample ID: LCS 400-715763/4-A
Matrix: Water
Analysis Batch: 715881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	36.9		ug/L		74	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*25 - 139*
2-Fluorophenol	*91*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*73*		*28 - 150*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			33.3	54.7	*+	ug/L		164	10 - 134	4	40
Benzoic acid			214	169		ug/L		79	10 - 180	7	40
Benzyl alcohol			33.3	31.7	J	ug/L		95	10 - 150	2	40
Bis(2-chloroethoxy)methane			33.3	38.1		ug/L		114	34 - 120	8	40
Bis(2-chloroethyl)ether			33.3	32.9		ug/L		99	32 - 114	1	40
bis (2-chloroisopropyl) ether			33.3	30.7		ug/L		92	32 - 115	1	40
Bis(2-ethylhexyl) phthalate			33.3	31.4		ug/L		94	24 - 133	4	40

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

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether			33.3	33.8		ug/L		101	24 - 120	4	40
Butyl benzyl phthalate			33.3	32.5		ug/L		98	24 - 140	6	40
4-Chloroaniline			33.3	41.9		ug/L		126	10 - 150	9	40
4-Chloro-3-methylphenol			33.3	32.6		ug/L		98	10 - 137	8	40
2-Chloronaphthalene			33.3	29.7		ug/L		89	10 - 150	2	40
2-Chlorophenol			33.3	29.7		ug/L		89	28 - 127	1	40
4-Chlorophenyl phenyl ether			33.3	30.1		ug/L		90	31 - 110	4	40
Dibenz[a,h]acridine			49.9	73.8	*+	ug/L		148	40 - 140	4	40
Dibenzofuran			33.3	38.0	*+	ug/L		114	35 - 110	6	40
3,3'-Dichlorobenzidine			33.3	32.3		ug/L		97	10 - 150	1	40
2,4-Dichlorophenol			33.3	27.5		ug/L		82	30 - 125	8	40
Diethyl phthalate			33.3	19.6		ug/L		59	31 - 118	3	40
2,4-Dimethylphenol			33.3	29.3		ug/L		88	10 - 142	7	40
Dimethyl phthalate			33.3	25.7		ug/L		77	24 - 125	2	40
Di-n-butyl phthalate			33.3	25.7		ug/L		77	30 - 127	6	40
4,6-Dinitro-ortho-cresol			66.7	52.7		ug/L		79	10 - 150	1	40
2,4-Dinitrophenol			66.7	42.4		ug/L		64	10 - 150	0	40
2,4-Dinitrotoluene			33.3	32.7		ug/L		98	30 - 129	2	40
2,6-Dinitrotoluene			33.3	34.0		ug/L		102	34 - 132	3	40
Di-n-octyl phthalate			33.3	30.9		ug/L		93	28 - 142	3	40
1,4-Dioxane			33.3	38.6		ug/L		116	10 - 137	1	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	28.8		ug/L		86	29 - 121	3	40
Hexachlorobenzene			33.3	33.1		ug/L		99	29 - 113	4	40
Hexachlorocyclopentadiene			33.3	20.5		ug/L		61	10 - 150	4	40
Hexachloroethane			33.3	20.7		ug/L		62	10 - 112	8	40
Indene			50.0	51.2		ug/L		102	10 - 113	4	40
Isophorone			33.3	31.2		ug/L		94	29 - 125	1	40
2-Methylphenol			33.3	34.0		ug/L		102	11 - 121	5	40
3 & 4 Methylphenol			33.3	42.4		ug/L		127	10 - 150	0	40
2-Nitroaniline			33.3	38.8		ug/L		116	31 - 141	1	40
3-Nitroaniline			33.3	39.0		ug/L		117	33 - 136	3	40
4-Nitroaniline			33.3	37.3		ug/L		112	37 - 139	2	40
Nitrobenzene			33.3	31.8		ug/L		95	29 - 129	1	40
2-Nitrophenol			33.3	27.9		ug/L		84	31 - 142	8	40
4-Nitrophenol			66.7	70.7		ug/L		106	10 - 150	4	40
N-Nitrosodimethylamine			33.3	40.4		ug/L		121	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	35.4		ug/L		106	53 - 134	2	40
N-Nitrosodiphenylamine			33.1	32.8		ug/L		99	62 - 132	3	40
Pentachlorophenol			66.7	64.4		ug/L		97	14 - 150	1	40
Phenol			33.3	47.9		ug/L		144	10 - 150	0	40
Pyridine			66.7	164	*+	ug/L		246	10 - 150	3	40
Quinoline			49.9	70.4		ug/L		141	50 - 150	10	40
2,4,5-Trichlorophenol			33.3	27.3		ug/L		82	27 - 136	7	40
2,4,6-Trichlorophenol			33.3	27.3		ug/L		82	21 - 132	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*25 - 139*

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

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 715729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol	131		10 - 150
Nitrobenzene-d5	104		22 - 150
Phenol-d5	159	S1+	10 - 150
Terphenyl-d14	94		28 - 150
2,4,6-Tribromophenol	121		10 - 150

Lab Sample ID: LCSD 400-715763/3-A
Matrix: Water
Analysis Batch: 716020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	32.8		ug/L		98	29 - 110	1	40
Acenaphthylene			33.3	33.7		ug/L		101	30 - 112	1	40
Anthracene			33.3	32.9		ug/L		99	31 - 120	5	40
Benzo[a]anthracene			33.3	35.3		ug/L		106	36 - 118	4	40
Benzo[a]pyrene			33.3	34.1		ug/L		102	29 - 120	3	40
Benzo[b]fluoranthene			33.3	39.5		ug/L		118	32 - 119	4	40
Benzo[g,h,i]perylene			33.3	30.1		ug/L		90	28 - 115	3	40
Benzo[k]fluoranthene			33.3	31.4		ug/L		94	30 - 118	9	40
Chrysene			33.3	33.4		ug/L		100	34 - 113	2	40
Dibenz(a,h)anthracene			33.3	31.9		ug/L		96	29 - 117	3	40
Fluoranthene			33.3	31.2		ug/L		94	30 - 124	6	40
Fluorene			33.3	33.5		ug/L		101	30 - 118	0	40
Indeno[1,2,3-cd]pyrene			33.3	31.8		ug/L		95	28 - 115	4	40
1-Methylnaphthalene			33.3	32.0		ug/L		96	25 - 120	1	40
2-Methylnaphthalene			33.3	31.4		ug/L		94	24 - 110	0	40
Phenanthrene			33.3	32.2		ug/L		97	32 - 115	3	40
Pyrene			33.3	31.8		ug/L		95	30 - 126	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	103		15 - 150
Nitrobenzene-d5	118		50 - 150
Terphenyl-d14	89		43 - 147

Lab Sample ID: LCSD 400-715763/5-A
Matrix: Water
Analysis Batch: 715881

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715763

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	39.1		ug/L		78	10 - 150	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	93		25 - 139
2-Fluorophenol	114		10 - 150
Nitrobenzene-d5	95		22 - 150
Phenol-d5	132		10 - 150
Terphenyl-d14	80		28 - 150
2,4,6-Tribromophenol	84		10 - 150

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW 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
Melissa Remiger	25278	DATE: 7/9/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY: AECOM	LOG CODE:	SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA	State: IL
ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA			
PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell			
TELEPHONE: 314-429-0100	FAX: 314-429-0462	Bill To Contact E-MAIL: melissa.remiger@aecom.com	

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions	PHONE NO.: 314-802-1207	E-MAIL: melissa.remiger@aecom.com	AECOM Other ID: Roxana 3Q25 Groundwater
SAMPLER NAME(S) (Print): S.McLean, M.Massa			*LAB USE ONLY*

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-070925-8260-A	7/9/2025	0000	Water	2					2	X			
	TB-ROX-070925-8260SIM-A	7/9/2025	0000	Water	2					2		X		
	MW6C-ROX-070925	7/9/2025	0910	Water	6			4		10	X	X	X	X
	MW6D-ROX-070925	7/9/2025	0955	Water	6			4		10	X	X	X	X
	MW13-ROX-070925	7/9/2025	1140	Water	6			4		10	X	X	X	X
	P114R-ROX-070925	7/9/2025	1240	Water	6			4		10	X	X	X	X

400-278969 Chain of Custody

Relinquished by: (Signature) S.MCLEAN	Received by: (Signature) FEDEX: 5564 3938 0301	Date: 7/9/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Clifford Bankston	Date: 7/10/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEALS: 622028, 622029

2.6°C IR10

Version: 19Sept24

Page 72 of 75

7/23/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/9/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-070925-8260-B	7/9/2025	0000	Water	2					2	X			
	TB-ROX-070925-8260SIM-B	7/9/2025	0000	Water	2					2		X		
	ROST4PZE-ROX-070925	7/9/2025	09:15	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-070925	7/9/2025	10:40	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-070925-DUP	7/9/2025	10:40	Water	6			4		10	X	X	X	X
	ROST4PZG-ROX-070925	7/9/2025	12:40	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/9/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Vittoria Bankston	Date: 7/10/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

2.6°C/IR10

7/23/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-278969-1

Login Number: 278969
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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	2.6°C IR10
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
Job ID: 400-278969-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279062-1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 8/29/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.		X		

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
P56-ROX-071025 MS/MSD	VOCs	Acrylonitrile	120/88	**31**	62-149/30
P56-ROX-071025 MS/MSD	VOCs	Benzene	112/82	**32**	56-142/30
P56-ROX-071025 MS/MSD	VOCs	Bromodichloromethane	106/77	**31**	59-143/30
P56-ROX-071025 MS/MSD	VOCs	2-Butanone (MEK)	79/56	**35**	55-150/30
P56-ROX-071025 MS/MSD	VOCs	Carbon tetrachloride	95/68	**33**	55-145/30
P56-ROX-071025 MS/MSD	VOCs	Chlorobenzene	100/71	**34**	64-130/30
P56-ROX-071025 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
P56-ROX-071025 MS/MSD	VOCs	1-Chlorohexane	92/62	**39**	56-136/30
P56-ROX-071025 MS/MSD	VOCs	cis-1,2-Dichloroethene	104/76	**31**	59-143/30
P56-ROX-071025 MS/MSD	VOCs	cis-1,3-Dichloropropene	112/80	**33**	57-140/30

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P56-ROX-071025 MS/MSD	VOCs	Dibromochloromethane	107/76	**34**	56-143/30
P56-ROX-071025 MS/MSD	VOCs	1,2-Dichloroethane	99/73	**31**	60-141/30
P56-ROX-071025 MS/MSD	VOCs	1,1-Dichloroethene	95/70	**31**	54-147/30
P56-ROX-071025 MS/MSD	VOCs	1,2-Dichloropropane	120/87	**32**	66-137/30
P56-ROX-071025 MS/MSD	VOCs	1,3-Dichloropropane	117/84	**33**	66-133/30
P56-ROX-071025 MS/MSD	VOCs	2,2-Dichloropropane	97/70	**32**	42-144/31
P56-ROX-071025 MS/MSD	VOCs	1,1-Dichloropropene	105/77	**32**	65-136/30
P56-ROX-071025 MS/MSD	VOCs	Ethylbenzene	95/66	**32**	58-131/30
P56-ROX-071025 MS/MSD	VOCs	Ethyl methacrylate	127/92	**33**	64-130/30
P56-ROX-071025 MS/MSD	VOCs	2-Hexanone	96/**64**	**40**	65-140/30
P56-ROX-071025 MS/MSD	VOCs	Methylene bromide	105/76	**32**	63-138/30
P56-ROX-071025 MS/MSD	VOCs	4-Methyl-2-pentanone (MIBK)	119/84	**35**	63-146/30
P56-ROX-071025 MS/MSD	VOCs	m-Xylene & p-Xylene	75/**50**	15	57-130/30
P56-ROX-071025 MS/MSD	VOCs	o-Xylene	94/66	**32**	61-130/30
P56-ROX-071025 MS/MSD	VOCs	Styrene	94/67	**34**	58-131/30
P56-ROX-071025 MS/MSD	VOCs	1,1,1,2-Tetrachloroethane	105/73	**35**	59-137/30
P56-ROX-071025 MS/MSD	VOCs	Tetrachloroethene	89/63	**35**	52-133/30
P56-ROX-071025 MS/MSD	VOCs	Toluene	104/74	**34**	65-130/30
P56-ROX-071025 MS/MSD	VOCs	trans-1,2-Dichloroethene	105/77	**31**	61-143/30
P56-ROX-071025 MS/MSD	VOCs	trans-1,3-Dichloropropene	113/79	**35**	53-133/30
P56-ROX-071025 MS/MSD	VOCs	1,1,1-Trichloroethane	98/70	**33**	57-142/30
P56-ROX-071025 MS/MSD	VOCs	1,1,2-Trichloroethane	119/86	**32**	66-131/30
P56-ROX-071025 MS/MSD	VOCs	Trichloroethene	101/72	**34**	64-136/30
P56-ROX-071025 MS/MSD	VOCs	Xylenes, Total	84/**58**	20	59-130/30

Analytical data that required qualification based on MS/MSD data are referenced below. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)
Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
P56-ROX-071025	VOCs	2-Chloroethyl vinyl ether	**UJ**
P56-ROX-071025	VOCs	2-Hexanone	**UJ**
P56-ROX-071025	VOCs	m-Xylene & p-Xylene	**J**
P56-ROX-071025	VOCs	Xylenes, Total	**J**

Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716006/1002	VOCs	2-Hexanone	**144**	NA	65-137
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Chrysene	108/**115**	6	34-113/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Fluoranthene	**130/136**	5	30-124/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	Pyrene	**134/142**	6	30-126/40
LCS 400-715837/2-A LCSD 400-715837/3-A	PAHs	2-Methylphenol	118/**122**	3	11-121/40
LCS 400-715837/2-A LCSD 400-715837/3-A	SVOCs	Phenol	145/**156**	7	10-150/40
LCS 400-715837/2-A LCSD 400-715837/3-A	SVOCs	Pyridine	**192/198**	3	10-150/40

Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Analytical data that required qualification based on LCS/LCSD data are referenced below.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
P57-ROX-071025	SVOCs	Phenol	**J**
P93C-ROX-071025	SVOCs	Phenol	**J**
P93C-ROX-071025-DUP	SVOCs	Phenol	**J**

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	
Method 8270E (PAHs) **Sample ID** / **Parameter** / **Analyte** / **Qualification** P93C-ROX-071025-DUP / PAHs / 2-Methylphenol / **J**					
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.		X		
Blank ID / **Parameter** / **Analyte** / **Concentration/Amount** P56-ROX-071025-EB / SVOCs / Phenol / 1.1 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.					
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

Method 8260D (VOCs)

The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P56-ROX-071025	VOCs	Trichlorofluoromethane	UJ
MW14-ROX-071025	VOCs	Chloromethane	UJ
MW14-ROX-071025	VOCs	Trichlorofluoromethane	UJ
MW14-ROX-071025-DUP	VOCs	Chloromethane	UJ
MW14-ROX-071025-DUP	VOCs	Trichlorofluoromethane	UJ
P57-ROX-071025	VOCs	Chloromethane	UJ
P57-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93D-ROX-071025	VOCs	Chloromethane	UJ
P93D-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93C-ROX-071025	VOCs	Chloromethane	UJ
P93C-ROX-071025	VOCs	Trichlorofluoromethane	UJ
P93C-ROX-071025-DUP	VOCs	Chloromethane	UJ
P93C-ROX-071025-DUP	VOCs	Trichlorofluoromethane	UJ

Method 8270E (PAHs)

The continuing calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
MW14-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
MW14-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
MW14-ROX-071025-DUP	PAHs	Indeno[1,2,3-cd]pyrene	UJ
MW14-ROX-071025-DUP	PAHs	Dibenz(a,h)anthracene	UJ
MW14-ROX-071025-DUP	PAHs	Benzo[g,h,i]perylene	UJ
P56-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P56-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P56-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P57-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P57-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P57-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P93D-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93D-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P93D-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	

P93C-ROX-071025	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93C-ROX-071025	PAHs	Dibenz(a,h)anthracene	UJ
P93C-ROX-071025	PAHs	Benzo[g,h,i]perylene	UJ
P93C-ROX-071025-DUP	PAHs	Indeno[1,2,3-cd]pyrene	UJ
P93C-ROX-071025-DUP	PAHs	Dibenz(a,h)anthracene	UJ
P93C-ROX-071025-DUP	PAHs	Benzo[g,h,i]perylene	UJ

Method 8270E (SVOCs)

The initial calibration verification (ICV) for pyridine and continuing calibration verification (CCV) for di-n-octyl phthalate and benzenethiol were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-071025	SVOCs	Pyridine	UJ
MW14-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
MW14-ROX-071025	SVOCs	Benzenethiol	UJ
MW14-ROX-071025-DUP	SVOCs	Pyridine	UJ
MW14-ROX-071025-DUP	SVOCs	Di-n-octyl phthalate	UJ
MW14-ROX-071025-DUP	SVOCs	Benzenethiol	UJ
P56-ROX-071025	SVOCs	Pyridine	UJ
P56-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P56-ROX-071025	SVOCs	Benzenethiol	UJ
P57-ROX-071025	SVOCs	Pyridine	UJ
P57-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P57-ROX-071025	SVOCs	Benzenethiol	UJ
P93D-ROX-071025	SVOCs	Pyridine	UJ
P93D-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P93D-ROX-071025	SVOCs	Benzenethiol	UJ
P93C-ROX-071025	SVOCs	Pyridine	UJ
P93C-ROX-071025	SVOCs	Di-n-octyl phthalate	UJ
P93C-ROX-071025	SVOCs	Benzenethiol	UJ
P93C-ROX-071025-DUP	SVOCs	Pyridine	UJ
P93C-ROX-071025-DUP	SVOCs	Di-n-octyl phthalate	UJ
P93C-ROX-071025-DUP	SVOCs	Benzenethiol	UJ

Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.				
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
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South Roxana, Illinois 62087

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JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279062-1

Reviewed 8/29/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

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Job Narrative
400-279062-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/11/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-715908 recovered outside acceptance criteria, low biased, for Chloromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-716006 recovered outside control limits for the following analytes: 2-Hexanone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716006 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1-Chlorohexane, N-Propylbenzene, p-Isopropyltoluene and sec-Butylbenzene . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-716006/2).

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93C-ROX-071025 (400-279062-11) and P93C-ROX-071025-DUP (400-279062-12). Elevated reporting limits (RLs) are provided.

Method 8260D: 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-071025-8260-A (400-279062-1), P93C-ROX-071025 (400-279062-11) and P93C-ROX-071025-DUP (400-279062-12). 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 8260D: The continuing calibration verification (CCV) associated with batch 400-716138 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P56-ROX-071025 (400-279062-8). Elevated reporting limits (RLs) are provided.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: P56-ROX-071025 (400-279062-8). 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 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-716138 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-716138 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-716138 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260D: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-716138 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

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

GC/MS Semi VOA

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716008 recovered above the upper control limit for Anthracene, Benzo[a]anthracene, Chrysene, Fluoranthene, Phenanthrene and Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample (LCS) for preparation batch 400-715837 and analytical batch 400-716008 recovered outside control limits for the following analytes: Fluoranthene and Pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-715837 and analytical batch 400-716008 recovered outside control limits for the following analytes: Chrysene, Fluoranthene and Pyrene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716148 recovered above the upper control limit for Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_LL_QQQ: The continuing calibration verification (CCV) associated with batch 400-716148 recovered outside acceptance criteria, low biased, for Benzo[g,h,i]perylene, Chrysene, Dibenz(a,h)anthracene, Indeno[1,2,3-cd]pyrene and Terphenyl-d14. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716009 recovered above the upper control limit for Aniline, Benzyl alcohol, Butyl benzyl phthalate, Dibenzofuran, 2,4-Dimethylphenol, Dimethyl phthalate and Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered above the upper control limit for Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate and Terphenyl-d14. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-715837 and analytical batch 400-716009: Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 400-715837 and analytical batch 400-716009: 2-Methylphenol, Phenol and Pyridine. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716149 recovered outside acceptance criteria, low biased, for Benzenethiol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for

Job ID: 400-279062-1 (Continued) Eurofins Pensacola

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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279062-1	TB-ROX-071025-8260-A	Water	07/10/25 00:00	07/11/25 09:42
400-279062-2	TB-ROX-071025-8260SIM-A	Water	07/10/25 00:00	07/11/25 09:42
400-279062-3	MW14-ROX-071025	Water	07/10/25 09:45	07/11/25 09:42
400-279062-4	MW14-ROX-071025-DUP	Water	07/10/25 09:45	07/11/25 09:42
400-279062-5	TB-ROX-071025-8260-B	Water	07/10/25 00:00	07/11/25 09:42
400-279062-6	TB-ROX-071025-8260SIM-B	Water	07/10/25 00:00	07/11/25 09:42
400-279062-7	P56-ROX-071025-EB	Water	07/10/25 09:45	07/11/25 09:42
400-279062-8	P56-ROX-071025	Water	07/10/25 10:25	07/11/25 09:42
400-279062-9	P57-ROX-071025	Water	07/10/25 11:35	07/11/25 09:42
400-279062-10	P93D-ROX-071025	Water	07/10/25 13:00	07/11/25 09:42
400-279062-11	P93C-ROX-071025	Water	07/10/25 14:05	07/11/25 09:42
400-279062-12	P93C-ROX-071025-DUP	Water	07/10/25 14:05	07/11/25 09:42

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-A — Lab Sample ID: 400-279062-1

No Detections.

Client Sample ID: TB-ROX-071025-8260SIM-A — Lab Sample ID: 400-279062-2

No Detections.

Client Sample ID: MW14-ROX-071025 — Lab Sample ID: 400-279062-3

No Detections.

Client Sample ID: MW14-ROX-071025-DUP — Lab Sample ID: 400-279062-4

No Detections.

Client Sample ID: TB-ROX-071025-8260-B — Lab Sample ID: 400-279062-5

No Detections.

Client Sample ID: TB-ROX-071025-8260SIM-B — Lab Sample ID: 400-279062-6

No Detections.

Client Sample ID: P56-ROX-071025-EB — Lab Sample ID: 400-279062-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	1.1	J *+	9.9	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P56-ROX-071025 — Lab Sample ID: 400-279062-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.1		2.0	1.8	ug/L	2		8260D	Total/NA
Ethylbenzene	8.2	F2	2.0	1.0	ug/L	2		8260D	Total/NA
Isopropylbenzene	31		2.0	1.1	ug/L	2		8260D	Total/NA
m-Xylene & p-Xylene	110	F1 J	10	6.0	ug/L	2		8260D	Total/NA
Naphthalene	9.4	J	10	6.0	ug/L	2		8260D	Total/NA
n-Butylbenzene	2.1		2.0	1.5	ug/L	2		8260D	Total/NA
N-Propylbenzene	36		2.0	1.4	ug/L	2		8260D	Total/NA
o-Xylene	6.0	J F2	10	6.0	ug/L	2		8260D	Total/NA
p-Isopropyltoluene	1.9	J	2.0	1.4	ug/L	2		8260D	Total/NA
sec-Butylbenzene	3.6		2.0	1.4	ug/L	2		8260D	Total/NA
1,2,4-Trimethylbenzene	49		2.0	1.6	ug/L	2		8260D	Total/NA
1,3,5-Trimethylbenzene	16		2.0	1.1	ug/L	2		8260D	Total/NA
Xylenes, Total	110	F1 J	20	12	ug/L	2		8260D	Total/NA
Acenaphthene	1.3		0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthylene	0.086	J	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene	0.077	J	0.20	0.072	ug/L	1		8270E	Total/NA
Fluorene	0.60		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	16		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	16		0.20	0.076	ug/L	1		8270E	Total/NA
Dibenzofuran	0.75	J	9.9	0.63	ug/L	1		8270E	Total/NA
Phenanthrene	1.1		0.20	0.044	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	0.24	J	9.9	0.24	ug/L	1		8270E	Total/NA

Client Sample ID: P57-ROX-071025 — Lab Sample ID: 400-279062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.2		1.0	0.50	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P57-ROX-071025 (Continued) — Lab Sample ID: 400-279062-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.1	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	0.51	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	12		1.0	0.53	ug/L	1		8260D	Total/NA
n-Butylbenzene	1.0		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	8.8		1.0	0.69	ug/L	1		8260D	Total/NA
sec-Butylbenzene	2.8		1.0	0.70	ug/L	1		8260D	Total/NA
tert-Butylbenzene	3.3		1.0	0.63	ug/L	1		8260D	Total/NA
Toluene	2.8		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.18	J	0.20	0.083	ug/L	1		8270E	Total/NA
Acenaphthylene	0.067	J	0.20	0.046	ug/L	1		8270E	Total/NA
Fluorene	0.67		0.20	0.085	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	13		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	14		0.20	0.075	ug/L	1		8270E	Total/NA
Dibenzofuran	0.65	J	9.8	0.63	ug/L	1		8270E	Total/NA
Phenanthrene	0.34		0.20	0.043	ug/L	1		8270E	Total/NA
Phenol	0.78	J *+ J	9.8	0.67	ug/L	1		8270E	Total/NA

Client Sample ID: P93D-ROX-071025 — Lab Sample ID: 400-279062-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.51	J	1.0	0.22	ug/L	1		8260D	Total/NA

Client Sample ID: P93C-ROX-071025 — Lab Sample ID: 400-279062-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.41	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	1700		10	5.0	ug/L	10		8260D	Total/NA
Phenol	29	*+ J	9.9	0.67	ug/L	1		8270E	Total/NA

Client Sample ID: P93C-ROX-071025-DUP — Lab Sample ID: 400-279062-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.35	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	1900		10	5.0	ug/L	10		8260D	Total/NA
2-Methylphenol	1.2	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	31	*+ J	9.9	0.67	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-A
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/15/25 18:52	1
Acrolein	ND		20	3.3	ug/L			07/15/25 18:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/25 18:52	1
Benzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/25 18:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/25 18:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Bromoform	ND		5.0	0.25	ug/L			07/15/25 18:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/25 18:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/25 18:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/15/25 18:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/15/25 18:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/25 18:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/25 18:52	1
Chloroform	ND		1.0	0.90	ug/L			07/15/25 18:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/15/25 18:52	1
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 18:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/15/25 18:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/25 18:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/15/25 18:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/25 18:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/25 18:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/25 18:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/15/25 18:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/15/25 18:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/25 18:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/25 18:52	1
2-Hexanone	ND	*+	25	4.3	ug/L			07/15/25 18:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/25 18:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/15/25 18:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/25 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/25 18:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/15/25 18:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/25 18:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/25 18:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/25 18:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/15/25 18:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/25 18:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/25 18:52	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-A
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/25 18:52	1
Styrene	ND		1.0	1.0	ug/L			07/15/25 18:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/25 18:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/15/25 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/15/25 18:52	1
Toluene	ND		1.0	0.90	ug/L			07/15/25 18:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 18:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/15/25 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/15/25 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/25 18:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/15/25 18:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/15/25 18:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/15/25 18:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/15/25 18:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/25 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/25 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/25 18:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/15/25 18:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/25 18:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/15/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/15/25 18:52*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/15/25 18:52*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/15/25 18:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260SIM-A
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 14:50	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/16/25 14:50*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 14:50*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/16/25 14:50*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: MW14-ROX-071025

Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:00	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/16/25 16:00*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/16/25 16:00*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 16:00*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 18:47	1
Acrolein	ND		20	3.3	ug/L			07/14/25 18:47	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 18:47	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 18:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 18:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 18:47	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 18:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 18:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 18:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 18:47	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 18:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 18:47	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 18:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 18:47	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 18:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 18:47	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 18:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 18:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 18:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 18:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 18:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 18:47	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 18:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 18:47	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 18:47	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 18:47	1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 18:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 18:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 18:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 18:47	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 18:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 18:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 18:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 18:47	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 18:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 18:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 18:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 18:47	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 18:47	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 18:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 18:47	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 18:47	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 18:47	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 18:47	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 18:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 18:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 18:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 18:47	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 18:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 18:47	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/14/25 18:47*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 18:47*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 18:47*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 20:16	1
Aniline	ND		9.9	0.74	ug/L		07/12/25 07:00	07/16/25 20:16	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzenethiol	ND	UJ	9.9	0.60	ug/L		07/12/25 07:00	07/16/25 20:16	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:16	1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.052	ug/L		07/12/25 07:00	07/16/25 20:16	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:16	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 20:16	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 20:16	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 20:16	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:16	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 20:16	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:16	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 20:16	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 20:16	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 20:16	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:16	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 20:16	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 20:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 20:16	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 20:16	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 20:16	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 20:16	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 20:16	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 20:16	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 20:16	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 20:16	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 20:16	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 20:16	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: MW14-ROX-071025
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 20:16	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 20:16	1
Phenol	ND	*+	9.9	0.68	ug/L		07/12/25 07:00	07/16/25 20:16	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 20:16	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/12/25 07:00	07/16/25 20:16	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Terphenyl-d14	*47*		*43 - 147*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Nitrobenzene-d5	*83*		*22 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Phenol-d5	*116*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
Terphenyl-d14	*47*		*28 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*
2,4,6-Tribromophenol	*94*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:16*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: MW14-ROX-071025-DUP

Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:23	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 16:23*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/16/25 16:23*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 16:23*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:08	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:08	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:08	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:08	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:08	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:08	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:08	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:08	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:08	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:08	1

Client Sample ID: MW14-ROX-071025-DUP
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:08	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:08	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:08	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:08	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:08	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:08	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 19:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:08	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:08	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/14/25 19:08*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/14/25 19:08*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 19:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 20:52	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 20:52	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 20:52	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 20:52	1

Client Sample ID: MW14-ROX-071025-DUP
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 20:52	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:52	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 20:52	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 20:52	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 20:52	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 20:52	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 20:52	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 20:52	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 20:52	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/16/25 20:52	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 20:52	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 20:52	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 20:52	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 20:52	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 20:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 20:52	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 20:52	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 20:52	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 20:52	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 20:52	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 20:52	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 20:52	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 20:52	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 20:52	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 20:52	1

Client Sample ID: MW14-ROX-071025-DUP
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 20:52	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 20:52	1
Phenol	ND	*+	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 20:52	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 20:52	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 20:52	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Terphenyl-d14	*51*		*43 - 147*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Nitrobenzene-d5	*85*		*22 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Phenol-d5	*116*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
Terphenyl-d14	*51*		*28 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*
2,4,6-Tribromophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/16/25 20:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-B
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:29	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:29	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:29	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:29	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:29	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:29	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:29	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 19:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:29	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:29	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:29	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: TB-ROX-071025-8260-B
Date Collected: 07/10/25 00:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:29	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:29	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:29	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 19:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:29	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:29	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*07/14/25 19:29*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*07/14/25 19:29*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 19:29*	*1*

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071025-8260SIM-B
Lab Sample ID: 400-279062-6

Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 15:13	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/16/25 15:13*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 15:13*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/16/25 15:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P56-ROX-071025-EB

Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 15:37	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 15:37*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 15:37*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 15:37*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 19:50	1
Acrolein	ND		20	3.3	ug/L			07/14/25 19:50	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 19:50	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 19:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 19:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 19:50	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 19:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 19:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 19:50	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 19:50	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 19:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 19:50	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 19:50	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 19:50	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 19:50	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 19:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 19:50	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 19:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 19:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 19:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 19:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 19:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 19:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 19:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 19:50	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 19:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 19:50	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 19:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 19:50	1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 19:50	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 19:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 19:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 19:50	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 19:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 19:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 19:50	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 19:50	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 19:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 19:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 19:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 19:50	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 19:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 19:50	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 19:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 19:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 19:50	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 19:50	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 19:50	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 19:50	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 19:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 19:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 19:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 19:50	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 19:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 19:50	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/14/25 19:50*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 19:50*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 19:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 21:29	1
Aniline	ND		9.9	0.74	ug/L		07/12/25 07:00	07/16/25 21:29	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzenethiol	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 21:29	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 21:29	1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/12/25 07:00	07/16/25 21:29	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 21:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 21:29	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 21:29	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 21:29	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 21:29	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 21:29	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 21:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/16/25 21:29	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 21:29	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 21:29	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 21:29	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 21:29	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 21:29	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 21:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 21:29	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 21:29	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 21:29	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 21:29	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 21:29	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 21:29	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/12/25 07:00	07/16/25 21:29	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 21:29	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 21:29	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 21:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P56-ROX-071025-EB
Date Collected: 07/10/25 09:45
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-7
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 21:29	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 21:29	1
Phenol	**1.1**	**J *+**	9.9	0.68	ug/L		07/12/25 07:00	07/16/25 21:29	1
Pyridine	ND	*+	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 21:29	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/12/25 07:00	07/16/25 21:29	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Terphenyl-d14	*73*		*43 - 147*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Nitrobenzene-d5	*87*		*22 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Phenol-d5	*123*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
Terphenyl-d14	*73*		*28 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*07/12/25 07:00*	*07/16/25 21:29*	*1*

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 10:56	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 10:56*	*1*
Toluene-d8 (Surr)	*103*		*50 - 150*		*07/16/25 10:56*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 10:56*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			07/16/25 12:09	2
Acrolein	ND		40	6.6	ug/L			07/16/25 12:09	2
Acrylonitrile	ND	F2	20	5.6	ug/L			07/16/25 12:09	2
Benzene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
Bromobenzene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
Bromochloromethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Bromodichloromethane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
Bromoform	ND		10	0.50	ug/L			07/16/25 12:09	2
Bromomethane	ND		2.0	2.0	ug/L			07/16/25 12:09	2
2-Butanone (MEK)	ND	F2	50	5.2	ug/L			07/16/25 12:09	2
Carbon disulfide	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Carbon tetrachloride	ND	F2	2.0	0.38	ug/L			07/16/25 12:09	2
Chlorobenzene	ND	F2	2.0	0.84	ug/L			07/16/25 12:09	2
Chloroethane	ND		2.0	1.5	ug/L			07/16/25 12:09	2
2-Chloroethyl vinyl ether	ND	F1 UJ	10	4.0	ug/L			07/16/25 12:09	2
Chloroform	**3.1**		2.0	1.8	ug/L			07/16/25 12:09	2
1-Chlorohexane	ND	F2	2.0	0.64	ug/L			07/16/25 12:09	2
Chloromethane	ND		2.0	0.80	ug/L			07/16/25 12:09	2
cis-1,2-Dichloroethene	ND	F2	2.0	0.40	ug/L			07/16/25 12:09	2
cis-1,3-Dichloropropene	ND	F2	10	1.0	ug/L			07/16/25 12:09	2
Dibromochloromethane	ND	F2	2.0	0.48	ug/L			07/16/25 12:09	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			07/16/25 12:09	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			07/16/25 12:09	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			07/16/25 12:09	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
1,2-Dichloroethane	ND	F2	2.0	1.1	ug/L			07/16/25 12:09	2
1,1-Dichloroethene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,2-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,3-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
2,2-Dichloropropane	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
1,1-Dichloropropene	ND	F2	2.0	0.18	ug/L			07/16/25 12:09	2
Ethylbenzene	**8.2**	**F2**	2.0	1.0	ug/L			07/16/25 12:09	2
Ethyl methacrylate	ND	F2	2.0	1.2	ug/L			07/16/25 12:09	2
Hexachlorobutadiene	ND		10	1.8	ug/L			07/16/25 12:09	2
2-Hexanone	ND	F2 F1 UJ	50	8.5	ug/L			07/16/25 12:09	2
Isopropylbenzene	**31**		2.0	1.1	ug/L			07/16/25 12:09	2
Methylene bromide	ND	F2	10	0.44	ug/L			07/16/25 12:09	2
Methylene Chloride	ND		10	6.0	ug/L			07/16/25 12:09	2
4-Methyl-2-pentanone (MIBK)	ND	F2	50	3.6	ug/L			07/16/25 12:09	2

Client Sample ID: P56-ROX-071025

Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			07/16/25 12:09	2
m-Xylene & p-Xylene	**110**	**F1 J**	10	6.0	ug/L			07/16/25 12:09	2
Naphthalene	**9.4**	**J**	10	6.0	ug/L			07/16/25 12:09	2
n-Butylbenzene	**2.1**		2.0	1.5	ug/L			07/16/25 12:09	2
N-Propylbenzene	**36**		2.0	1.4	ug/L			07/16/25 12:09	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
o-Xylene	**6.0**	**J F2**	10	6.0	ug/L			07/16/25 12:09	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			07/16/25 12:09	2
p-Isopropyltoluene	**1.9**	**J**	2.0	1.4	ug/L			07/16/25 12:09	2
sec-Butylbenzene	**3.6**		2.0	1.4	ug/L			07/16/25 12:09	2
Styrene	ND	F2	2.0	2.0	ug/L			07/16/25 12:09	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			07/16/25 12:09	2
1,1,1,2-Tetrachloroethane	ND	F2	2.0	0.76	ug/L			07/16/25 12:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Tetrachloroethene	ND	F2	2.0	0.66	ug/L			07/16/25 12:09	2
Toluene	ND	F2	2.0	1.8	ug/L			07/16/25 12:09	2
trans-1,2-Dichloroethene	ND	F2	2.0	1.0	ug/L			07/16/25 12:09	2
trans-1,3-Dichloropropene	ND	F2	10	0.40	ug/L			07/16/25 12:09	2
1,2,3-Trichlorobenzene	ND		2.0	1.8	ug/L			07/16/25 12:09	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			07/16/25 12:09	2
1,1,1-Trichloroethane	ND	F2	2.0	0.36	ug/L			07/16/25 12:09	2
1,1,2-Trichloroethane	ND	F2	10	0.42	ug/L			07/16/25 12:09	2
Trichloroethene	ND	F2	2.0	0.30	ug/L			07/16/25 12:09	2
Trichlorofluoromethane	ND	UJ	2.0	0.50	ug/L			07/16/25 12:09	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			07/16/25 12:09	2
1,2,4-Trimethylbenzene	**49**		2.0	1.6	ug/L			07/16/25 12:09	2
1,3,5-Trimethylbenzene	**16**		2.0	1.1	ug/L			07/16/25 12:09	2
Vinyl acetate	ND		50	1.9	ug/L			07/16/25 12:09	2
Vinyl chloride	ND		2.0	1.0	ug/L			07/16/25 12:09	2
Xylenes, Total	**110**	**F1 J**	20	12	ug/L			07/16/25 12:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/16/25 12:09*	*2*
Dibromofluoromethane	*94*		*79 - 130*		*07/16/25 12:09*	*2*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/16/25 12:09*	*2*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.3**		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 22:05	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 22:05	1
Acenaphthylene	**0.086**	**J**	0.20	0.047	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 22:05	1
Anthracene	**0.077**	**J**	0.20	0.072	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 22:05	1

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 22:05	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 22:05	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/16/25 22:05	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 22:05	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:05	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 22:05	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 22:05	1
Fluorene	**0.60**		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 22:05	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 22:05	1
1-Methylnaphthalene	**16**		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Methylnaphthalene	**16**		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dibenzofuran	**0.75**	**J**	9.9	0.63	ug/L		07/12/25 07:00	07/16/25 22:05	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/16/25 22:05	1
Phenanthrene	**1.1**		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 22:05	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dimethylphenol	**0.24**	**J**	9.9	0.24	ug/L		07/12/25 07:00	07/16/25 22:05	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 22:05	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/16/25 22:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 22:05	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 22:05	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/16/25 22:05	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 22:05	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 22:05	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 22:05	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 22:05	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 22:05	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 22:05	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 22:05	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 22:05	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 22:05	1
Phenol	ND	*+	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 22:05	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 22:05	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 22:05	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Nitrobenzene-d5	*84*		*50 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Nitrobenzene-d5	*84*		*22 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Phenol-d5	*113*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:05*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:10	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 17:10*	*1*
Toluene-d8 (Surr)	*102*		*50 - 150*		*07/16/25 17:10*	*1*
4-Bromofluorobenzene	*113*		*50 - 150*		*07/16/25 17:10*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:10	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:10	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:10	1
Benzene	**7.2**		1.0	0.50	ug/L			07/14/25 20:10	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:10	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:10	1
2-Butanone (MEK)	**3.1**	**J**	25	2.6	ug/L			07/14/25 20:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:10	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:10	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:10	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:10	1
Ethylbenzene	**0.51**	**J**	1.0	0.50	ug/L			07/14/25 20:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:10	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:10	1
Isopropylbenzene	**12**		1.0	0.53	ug/L			07/14/25 20:10	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:10	1

Client Sample ID: P57-ROX-071025

Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 20:10	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
n-Butylbenzene	**1.0**		1.0	0.76	ug/L			07/14/25 20:10	1
N-Propylbenzene	**8.8**		1.0	0.69	ug/L			07/14/25 20:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:10	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:10	1
sec-Butylbenzene	**2.8**		1.0	0.70	ug/L			07/14/25 20:10	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:10	1
tert-Butylbenzene	**3.3**		1.0	0.63	ug/L			07/14/25 20:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:10	1
Toluene	**2.8**		1.0	0.90	ug/L			07/14/25 20:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:10	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:10	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:10	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:10	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 20:10*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*07/14/25 20:10*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 20:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.18**	**J**	0.20	0.083	ug/L		07/12/25 07:00	07/16/25 22:41	1
Aniline	ND		9.8	0.73	ug/L		07/12/25 07:00	07/16/25 22:41	1
Acenaphthylene	**0.067**	**J**	0.20	0.046	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzenethiol	ND	UJ	9.8	0.59	ug/L		07/12/25 07:00	07/16/25 22:41	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzoic acid	ND		98	78	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzyl alcohol	ND		34	29	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 22:41	1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 22:41	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 22:41	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 22:41	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/12/25 07:00	07/16/25 22:41	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 22:41	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chloroaniline	ND		9.8	0.27	ug/L		07/12/25 07:00	07/16/25 22:41	1
Fluoranthene	ND	*+	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 22:41	1
Fluorene	**0.67**		0.20	0.085	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Chlorophenol	ND		9.8	0.82	ug/L		07/12/25 07:00	07/16/25 22:41	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 22:41	1
1-Methylnaphthalene	**13**		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Methylnaphthalene	**14**		0.20	0.075	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dibenzofuran	**0.65**	**J**	9.8	0.63	ug/L		07/12/25 07:00	07/16/25 22:41	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 22:41	1
Phenanthrene	**0.34**		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/12/25 07:00	07/16/25 22:41	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 22:41	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		07/12/25 07:00	07/16/25 22:41	1
Di-n-octyl phthalate	ND	UJ	9.8	3.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/12/25 07:00	07/16/25 22:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/12/25 07:00	07/16/25 22:41	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/12/25 07:00	07/16/25 22:41	1
Indene	ND		9.8	0.43	ug/L		07/12/25 07:00	07/16/25 22:41	1
Isophorone	ND		9.8	0.78	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/12/25 07:00	07/16/25 22:41	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/12/25 07:00	07/16/25 22:41	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/12/25 07:00	07/16/25 22:41	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/12/25 07:00	07/16/25 22:41	1
2-Nitrophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 22:41	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 22:41	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/12/25 07:00	07/16/25 22:41	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P57-ROX-071025
Date Collected: 07/10/25 11:35
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/12/25 07:00	07/16/25 22:41	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pentachlorophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 22:41	1
Phenol	**0.78**	J *+ J	9.8	0.67	ug/L		07/12/25 07:00	07/16/25 22:41	1
Pyridine	ND	*+ UJ	9.8	2.9	ug/L		07/12/25 07:00	07/16/25 22:41	1
Quinoline	ND		9.8	0.49	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/12/25 07:00	07/16/25 22:41	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Terphenyl-d14	*56*		*43 - 147*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2-Fluorophenol	*99*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Nitrobenzene-d5	*82*		*22 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Phenol-d5	*111*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
Terphenyl-d14	*56*		*28 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*
2,4,6-Tribromophenol	*114*		*10 - 150*	*07/12/25 07:00*	*07/16/25 22:41*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:34	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*50 - 150*		*07/16/25 17:34*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 17:34*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/16/25 17:34*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:31	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:31	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:31	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:31	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 20:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:31	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:31	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:31	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:31	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 20:31	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:31	1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.51**	**J**	1.0	0.22	ug/L			07/14/25 20:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 20:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 20:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:31	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 20:31	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 20:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:31	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 20:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:31	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:31	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:31	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:31	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 20:31*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/14/25 20:31*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/14/25 20:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 23:18	1
Aniline	ND		9.8	0.73	ug/L		07/12/25 07:00	07/16/25 23:18	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzenethiol	ND	UJ	9.8	0.59	ug/L		07/12/25 07:00	07/16/25 23:18	1
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzoic acid	ND		98	79	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzyl alcohol	ND		34	30	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 23:18	1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 23:18	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 23:18	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:18	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/12/25 07:00	07/16/25 23:18	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 23:18	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chloroaniline	ND		9.8	0.28	ug/L		07/12/25 07:00	07/16/25 23:18	1
Fluoranthene	ND	*+	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/12/25 07:00	07/16/25 23:18	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/12/25 07:00	07/16/25 23:18	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.031	ug/L		07/12/25 07:00	07/16/25 23:18	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/12/25 07:00	07/16/25 23:18	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 23:18	1
Phenanthrene	ND		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pyrene	ND	*+	0.20	0.093	ug/L		07/12/25 07:00	07/16/25 23:18	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/12/25 07:00	07/16/25 23:18	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/12/25 07:00	07/16/25 23:18	1
Di-n-octyl phthalate	ND	UJ	9.8	3.9	ug/L		07/12/25 07:00	07/16/25 23:18	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/12/25 07:00	07/16/25 23:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/12/25 07:00	07/16/25 23:18	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/12/25 07:00	07/16/25 23:18	1
Indene	ND		9.8	0.43	ug/L		07/12/25 07:00	07/16/25 23:18	1
Isophorone	ND		9.8	0.79	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/12/25 07:00	07/16/25 23:18	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/12/25 07:00	07/16/25 23:18	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/12/25 07:00	07/16/25 23:18	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/12/25 07:00	07/16/25 23:18	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/12/25 07:00	07/16/25 23:18	1
4-Nitrophenol	ND		9.8	2.7	ug/L		07/12/25 07:00	07/16/25 23:18	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/12/25 07:00	07/16/25 23:18	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93D-ROX-071025
Date Collected: 07/10/25 13:00
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/12/25 07:00	07/16/25 23:18	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/12/25 07:00	07/16/25 23:18	1
Phenol	ND	*+	9.8	0.67	ug/L		07/12/25 07:00	07/16/25 23:18	1
Pyridine	ND	*+ UJ	9.8	3.0	ug/L		07/12/25 07:00	07/16/25 23:18	1
Quinoline	ND		9.8	0.49	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/12/25 07:00	07/16/25 23:18	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/12/25 07:00	07/16/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Terphenyl-d14	*53*		*43 - 147*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2-Fluorobiphenyl	*86*		*25 - 139*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2-Fluorophenol	*109*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Phenol-d5	*121*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
Terphenyl-d14	*53*		*28 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:18*	*1*

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 17:57	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/16/25 17:57*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 17:57*	*1*
4-Bromofluorobenzene	*109*		*50 - 150*		*07/16/25 17:57*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 20:52	1
Acrolein	ND		20	3.3	ug/L			07/14/25 20:52	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 20:52	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 20:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 20:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 20:52	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 20:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 20:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 20:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 20:52	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 20:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 20:52	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 20:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 20:52	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 20:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 20:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 20:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 20:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 20:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 20:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 20:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 20:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 20:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 20:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 20:52	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 20:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 20:52	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 20:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 20:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 20:52	1
Methyl tert-butyl ether	**0.41**	**J**	1.0	0.22	ug/L			07/14/25 20:52	1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 20:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 20:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 20:52	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 20:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 20:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 20:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 20:52	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 20:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 20:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 20:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 20:52	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 20:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 20:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 20:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 20:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 20:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 20:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 20:52	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 20:52	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 20:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 20:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 20:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 20:52	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 20:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 20:52	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 20:52*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 20:52*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/14/25 20:52*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1700**		10	5.0	ug/L			07/15/25 19:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/15/25 19:34*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/15/25 19:34*	*10*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 19:34*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/16/25 23:54	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/16/25 23:54	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/16/25 23:54	1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/16/25 23:54	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 23:54	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/16/25 23:54	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/16/25 23:54	1
Chrysene	ND	*+	0.20	0.038	ug/L		07/12/25 07:00	07/16/25 23:54	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/16/25 23:54	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/16/25 23:54	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/16/25 23:54	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/16/25 23:54	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/16/25 23:54	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/12/25 07:00	07/16/25 23:54	1
Phenanthrene	ND		0.20	0.043	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/16/25 23:54	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/16/25 23:54	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/16/25 23:54	1
Di-n-octyl phthalate	ND	UJ	9.9	3.9	ug/L		07/12/25 07:00	07/16/25 23:54	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/12/25 07:00	07/16/25 23:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/16/25 23:54	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/16/25 23:54	1
Indene	ND		9.9	0.43	ug/L		07/12/25 07:00	07/16/25 23:54	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/12/25 07:00	07/16/25 23:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93C-ROX-071025
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/16/25 23:54	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/16/25 23:54	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/16/25 23:54	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/16/25 23:54	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/16/25 23:54	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/16/25 23:54	1
Phenol	**29**	*+ J	9.9	0.67	ug/L		07/12/25 07:00	07/16/25 23:54	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/16/25 23:54	1
Quinoline	ND		9.9	0.49	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/16/25 23:54	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/16/25 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Terphenyl-d14	*49*		*43 - 147*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Phenol-d5	*110*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
Terphenyl-d14	*49*		*28 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*
2,4,6-Tribromophenol	*96*		*10 - 150*	*07/12/25 07:00*	*07/16/25 23:54*	*1*

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 18:21	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 18:21*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/16/25 18:21*	*1*
4-Bromofluorobenzene	*107*		*50 - 150*		*07/16/25 18:21*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/14/25 21:13	1
Acrolein	ND		20	3.3	ug/L			07/14/25 21:13	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 21:13	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 21:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 21:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 21:13	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 21:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 21:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 21:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 21:13	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 21:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 21:13	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 21:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 21:13	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			07/14/25 21:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 21:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 21:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 21:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 21:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 21:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 21:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 21:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 21:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 21:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 21:13	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 21:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 21:13	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 21:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 21:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 21:13	1
Methyl tert-butyl ether	**0.35**	**J**	1.0	0.22	ug/L			07/14/25 21:13	1

Client Sample ID: P93C-ROX-071025-DUP

Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 21:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 21:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 21:13	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 21:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 21:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/14/25 21:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 21:13	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 21:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 21:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 21:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 21:13	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 21:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 21:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 21:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 21:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 21:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 21:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 21:13	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 21:13	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/14/25 21:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 21:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 21:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 21:13	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 21:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 21:13	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/14/25 21:13*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/14/25 21:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/14/25 21:13*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1900**		10	5.0	ug/L			07/15/25 19:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/15/25 19:55*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/15/25 19:55*	*10*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/15/25 19:55*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/12/25 07:00	07/17/25 00:29	1
Aniline	ND		9.9	0.73	ug/L		07/12/25 07:00	07/17/25 00:29	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		07/12/25 07:00	07/17/25 00:29	1

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzoic acid	ND		99	79	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		07/12/25 07:00	07/17/25 00:29	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/12/25 07:00	07/17/25 00:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/17/25 00:29	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/12/25 07:00	07/17/25 00:29	1
Chrysene	ND	*+	0.20	0.039	ug/L		07/12/25 07:00	07/17/25 00:29	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chloroaniline	ND		9.9	0.28	ug/L		07/12/25 07:00	07/17/25 00:29	1
Fluoranthene	ND	*+	0.20	0.032	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/12/25 07:00	07/17/25 00:29	1
Fluorene	ND		0.20	0.086	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/12/25 07:00	07/17/25 00:29	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		07/12/25 07:00	07/17/25 00:29	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/12/25 07:00	07/17/25 00:29	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/17/25 00:29	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pyrene	ND	*+	0.20	0.094	ug/L		07/12/25 07:00	07/17/25 00:29	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/12/25 07:00	07/17/25 00:29	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/12/25 07:00	07/17/25 00:29	1
Di-n-octyl phthalate	ND	UJ	9.9	4.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/12/25 07:00	07/17/25 00:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/17/25 00:29	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/12/25 07:00	07/17/25 00:29	1
Indene	ND		9.9	0.44	ug/L		07/12/25 07:00	07/17/25 00:29	1
Isophorone	ND		9.9	0.79	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Methylphenol	**1.2**	**J *+** J	9.9	0.75	ug/L		07/12/25 07:00	07/17/25 00:29	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Client Sample ID: P93C-ROX-071025-DUP
Date Collected: 07/10/25 14:05
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/12/25 07:00	07/17/25 00:29	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/12/25 07:00	07/17/25 00:29	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/12/25 07:00	07/17/25 00:29	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/12/25 07:00	07/17/25 00:29	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/12/25 07:00	07/17/25 00:29	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/12/25 07:00	07/17/25 00:29	1
Phenol	**31**	*+ J	9.9	0.67	ug/L		07/12/25 07:00	07/17/25 00:29	1
Pyridine	ND	*+ UJ	9.9	3.0	ug/L		07/12/25 07:00	07/17/25 00:29	1
Quinoline	ND		9.9	0.50	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/12/25 07:00	07/17/25 00:29	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/12/25 07:00	07/17/25 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Terphenyl-d14	*52*		*43 - 147*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2-Fluorophenol	*100*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Phenol-d5	*112*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
Terphenyl-d14	*52*		*28 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/12/25 07:00*	*07/17/25 00:29*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

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.
F2	MS/MSD 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/MS Semi 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.

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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279062-1	TB-ROX-071025-8260-A	103	104	104
400-279062-3	MW14-ROX-071025	100	96	102
400-279062-4	MW14-ROX-071025-DUP	101	96	102
400-279062-5	TB-ROX-071025-8260-B	107	101	103
400-279062-7	P56-ROX-071025-EB	101	102	103
400-279062-8	P56-ROX-071025	100	94	103
400-279062-8 MS	P56-ROX-071025	102	93	100
400-279062-8 MSD	P56-ROX-071025	108	94	103
400-279062-9	P57-ROX-071025	104	94	104
400-279062-10	P93D-ROX-071025	102	103	101
400-279062-11	P93C-ROX-071025	104	102	103
400-279062-11 - DL	P93C-ROX-071025	100	99	103
400-279062-12	P93C-ROX-071025-DUP	102	102	104
400-279062-12 - DL	P93C-ROX-071025-DUP	101	99	102
LCS 400-715908/1002	Lab Control Sample	100	96	102
LCS 400-716006/1002	Lab Control Sample	100	94	101
LCS 400-716138/1002	Lab Control Sample	101	96	101
MB 400-715908/4	Method Blank	104	105	102
MB 400-716006/4	Method Blank	102	103	103
MB 400-716138/4	Method Blank	104	102	102

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279062-2	TB-ROX-071025-8260SIM-A	99	98	104
400-279062-3	MW14-ROX-071025	95	100	106
400-279062-4	MW14-ROX-071025-DUP	94	100	106
400-279062-6	TB-ROX-071025-8260SIM-B	100	97	103
400-279062-7	P56-ROX-071025-EB	101	98	105
400-279062-8	P56-ROX-071025	93	103	105
400-279062-9	P57-ROX-071025	94	102	113
400-279062-10	P93D-ROX-071025	97	97	103
400-279062-11	P93C-ROX-071025	94	99	109
400-279062-12	P93C-ROX-071025-DUP	93	97	107
LCS 400-716127/1004	Lab Control Sample	94	100	105
MB 400-716127/6	Method Blank	101	98	106

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
400-279062-3	MW14-ROX-071025	76	83	47	76	101	83	116	47
400-279062-4	MW14-ROX-071025-DUP	79	85	51	79	101	85	116	51
400-279062-7	P56-ROX-071025-EB	79	87	73	79	107	87	123	73
400-279062-8	P56-ROX-071025	76	84	52	76	100	84	113	52
400-279062-9	P57-ROX-071025	80	82	56	80	99	82	111	56
400-279062-10	P93D-ROX-071025	86	93	53	86	109	93	121	53
400-279062-11	P93C-ROX-071025	77	86	49	77	98	86	110	49
400-279062-12	P93C-ROX-071025-DUP	80	86	52	80	100	86	112	52
LCS 400-715837/2-A	Lab Control Sample	83	84	83	83	108	84	131	83
LCS 400-715837/4-A	Lab Control Sample				83	105	85	120	78
LCSD 400-715837/3-A	Lab Control Sample Dup	82	87	84	82	112	87	136	84
LCSD 400-715837/5-A	Lab Control Sample Dup				86	107	86	122	85
MB 400-715837/1-A	Method Blank	86	92	81	86	108	92	117	81

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-279062-3	MW14-ROX-071025	94
400-279062-4	MW14-ROX-071025-DUP	100
400-279062-7	P56-ROX-071025-EB	102
400-279062-8	P56-ROX-071025	103
400-279062-9	P57-ROX-071025	114
400-279062-10	P93D-ROX-071025	104
400-279062-11	P93C-ROX-071025	96
400-279062-12	P93C-ROX-071025-DUP	101
LCS 400-715837/2-A	Lab Control Sample	107
LCS 400-715837/4-A	Lab Control Sample	76
LCSD 400-715837/3-A	Lab Control Sample Dup	109
LCSD 400-715837/5-A	Lab Control Sample Dup	80
MB 400-715837/1-A	Method Blank	87

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071025-8260-A
Lab Sample ID: 400-279062-1
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716006	07/15/25 18:52	RSG	EET PEN

Client Sample ID: TB-ROX-071025-8260SIM-A
Lab Sample ID: 400-279062-2
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 14:50	NMB	EET PEN

Client Sample ID: MW14-ROX-071025
Lab Sample ID: 400-279062-3
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 18:47	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:00	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 20:16	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 20:16	UI	EET PEN

Client Sample ID: MW14-ROX-071025-DUP
Lab Sample ID: 400-279062-4
Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:08	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:23	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 20:52	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 20:52	UI	EET PEN

Client Sample ID: TB-ROX-071025-8260-B
Lab Sample ID: 400-279062-5
Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:29	RSG	EET PEN

Client Sample ID: TB-ROX-071025-8260SIM-B
Lab Sample ID: 400-279062-6

Date Collected: 07/10/25 00:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 15:13	NMB	EET PEN

Client Sample ID: P56-ROX-071025-EB
Lab Sample ID: 400-279062-7

Date Collected: 07/10/25 09:45
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 19:50	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 15:37	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 21:29	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 21:29	UI	EET PEN

Client Sample ID: P56-ROX-071025
Lab Sample ID: 400-279062-8

Date Collected: 07/10/25 10:25
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:09	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 10:56	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 22:05	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 22:05	UI	EET PEN

Client Sample ID: P57-ROX-071025
Lab Sample ID: 400-279062-9

Date Collected: 07/10/25 11:35
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:10	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:10	NMB	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 22:41	UI	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 22:41	UI	EET PEN

Client Sample ID: P93D-ROX-071025
Lab Sample ID: 400-279062-10

Date Collected: 07/10/25 13:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:31	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:34	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93D-ROX-071025
Lab Sample ID: 400-279062-10
Date Collected: 07/10/25 13:00
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.5 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 23:18	UI	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 23:18	UI	EET PEN

Client Sample ID: P93C-ROX-071025
Lab Sample ID: 400-279062-11
Date Collected: 07/10/25 14:05
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 20:52	RSG	EET PEN
Total/NA	Analysis	8260D	DL	10	5 mL	5 mL	716006	07/15/25 19:34	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 17:57	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/16/25 23:54	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/16/25 23:54	UI	EET PEN

Client Sample ID: P93C-ROX-071025-DUP
Lab Sample ID: 400-279062-12
Date Collected: 07/10/25 14:05
Matrix: Water
Date Received: 07/11/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	715908	07/14/25 21:13	RSG	EET PEN
Total/NA	Analysis	8260D	DL	10	5 mL	5 mL	716006	07/15/25 19:55	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 18:21	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716148	07/17/25 00:29	UI	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716149	07/17/25 00:29	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715837/1-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	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 18:21	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 18:21	UI	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-715908/4
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	8260D		1	5 mL	5 mL	715908	07/14/25 11:48	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716006/4
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	8260D		1	5 mL	5 mL	716006	07/15/25 10:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716127/6
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	8260D SIM		1	5 mL	5 mL	716127	07/16/25 09:07	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716138/4
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	8260D		1	5 mL	5 mL	716138	07/16/25 11:28	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715837/2-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	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 18:57	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 18:57	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715837/4-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	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 20:09	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-715908/1002
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	8260D		1	5 mL	5 mL	715908	07/14/25 10:38	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716006/1002
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	8260D		1	5 mL	5 mL	716006	07/15/25 09:24	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716127/1004
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	8260D SIM		1	5 mL	5 mL	716127	07/16/25 07:59	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716138/1002
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	8260D		1	5 mL	5 mL	716138	07/16/25 10:18	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715837/3-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	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716008	07/15/25 19:33	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 19:33	UI	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-715837/5-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	3511			30 mL	2 mL	715837	07/12/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716009	07/15/25 20:45	UI	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:30	CAR	EET PEN

Client Sample ID: P56-ROX-071025
Date Collected: 07/10/25 10:25
Date Received: 07/11/25 09:42

Lab Sample ID: 400-279062-8 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	716138	07/16/25 12:51	CAR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279062-1

GC/MS VOA

Analysis Batch: 715908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8260D	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8260D	
400-279062-5	TB-ROX-071025-8260-B	Total/NA	Water	8260D	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8260D	
400-279062-9	P57-ROX-071025	Total/NA	Water	8260D	
400-279062-10	P93D-ROX-071025	Total/NA	Water	8260D	
400-279062-11	P93C-ROX-071025	Total/NA	Water	8260D	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8260D	
MB 400-715908/4	Method Blank	Total/NA	Water	8260D	
LCS 400-715908/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-1	TB-ROX-071025-8260-A	Total/NA	Water	8260D	
400-279062-11 - DL	P93C-ROX-071025	Total/NA	Water	8260D	
400-279062-12 - DL	P93C-ROX-071025-DUP	Total/NA	Water	8260D	
MB 400-716006/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716006/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-2	TB-ROX-071025-8260SIM-A	Total/NA	Water	8260D SIM	
400-279062-3	MW14-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8260D SIM	
400-279062-6	TB-ROX-071025-8260SIM-B	Total/NA	Water	8260D SIM	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8260D SIM	
400-279062-8	P56-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-9	P57-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-10	P93D-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-11	P93C-ROX-071025	Total/NA	Water	8260D SIM	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8260D SIM	
MB 400-716127/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716127/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-8	P56-ROX-071025	Total/NA	Water	8260D	
MB 400-716138/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716138/1002	Lab Control Sample	Total/NA	Water	8260D	
400-279062-8 MS	P56-ROX-071025	Total/NA	Water	8260D	
400-279062-8 MSD	P56-ROX-071025	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 715837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	3511	
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	3511	
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	3511	
400-279062-8	P56-ROX-071025	Total/NA	Water	3511	
400-279062-9	P57-ROX-071025	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 715837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-10	P93D-ROX-071025	Total/NA	Water	3511	
400-279062-11	P93C-ROX-071025	Total/NA	Water	3511	
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	3511	
MB 400-715837/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-715837/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-715837/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715837/1-A	Method Blank	Total/NA	Water	8270E	715837
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837

Analysis Batch: 716009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-715837/1-A	Method Blank	Total/NA	Water	8270E	715837
LCS 400-715837/2-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCS 400-715837/4-A	Lab Control Sample	Total/NA	Water	8270E	715837
LCSD 400-715837/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837
LCSD 400-715837/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	715837

Analysis Batch: 716148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8270E	715837
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8270E	715837
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8270E	715837
400-279062-8	P56-ROX-071025	Total/NA	Water	8270E	715837
400-279062-9	P57-ROX-071025	Total/NA	Water	8270E	715837
400-279062-10	P93D-ROX-071025	Total/NA	Water	8270E	715837
400-279062-11	P93C-ROX-071025	Total/NA	Water	8270E	715837
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8270E	715837

Analysis Batch: 716149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279062-3	MW14-ROX-071025	Total/NA	Water	8270E	715837
400-279062-4	MW14-ROX-071025-DUP	Total/NA	Water	8270E	715837
400-279062-7	P56-ROX-071025-EB	Total/NA	Water	8270E	715837
400-279062-8	P56-ROX-071025	Total/NA	Water	8270E	715837
400-279062-9	P57-ROX-071025	Total/NA	Water	8270E	715837
400-279062-10	P93D-ROX-071025	Total/NA	Water	8270E	715837
400-279062-11	P93C-ROX-071025	Total/NA	Water	8270E	715837
400-279062-12	P93C-ROX-071025-DUP	Total/NA	Water	8270E	715837

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

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			07/14/25 11:48	1
Acrolein	ND		20	3.3	ug/L			07/14/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			07/14/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/14/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			07/14/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			07/14/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/14/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/14/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/14/25 11:48	1
Chloroethane	ND		1.0	0.76	ug/L			07/14/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/14/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/14/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/14/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/14/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/14/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/14/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/14/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/14/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/14/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/14/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/14/25 11:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/14/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/14/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			07/14/25 11:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/14/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			07/14/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/14/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/14/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/14/25 11:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
Naphthalene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/14/25 11:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/14/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/14/25 11:48	1
o-Xylene	ND		5.0	3.0	ug/L			07/14/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/14/25 11:48	1

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

Lab Sample ID: MB 400-715908/4
Matrix: Water
Analysis Batch: 715908

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			07/14/25 11:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/14/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			07/14/25 11:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/14/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/14/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/14/25 11:48	1
Toluene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/14/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/14/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/14/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/14/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/14/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			07/14/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/14/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/14/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/14/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/14/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			07/14/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/14/25 11:48	1
Xylenes, Total	ND		10	6.0	ug/L			07/14/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/14/25 11:48*	*1*
Dibromofluoromethane	*105*		*79 - 130*		*07/14/25 11:48*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/14/25 11:48*	*1*

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	232		ug/L		116	43 - 150
Acrolein	500	435		ug/L		87	38 - 150
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	54.5		ug/L		109	70 - 130
Bromobenzene	50.0	51.6		ug/L		103	70 - 132
Bromochloromethane	50.0	49.5		ug/L		99	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	50.6		ug/L		101	57 - 140
Bromomethane	50.0	36.6		ug/L		73	10 - 150
2-Butanone (MEK)	200	246		ug/L		123	61 - 145
Carbon disulfide	50.0	48.4		ug/L		97	61 - 137
Carbon tetrachloride	50.0	49.0		ug/L		98	61 - 137
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	50.0	41.2		ug/L		82	55 - 141
2-Chloroethyl vinyl ether	50.0	45.1		ug/L		90	10 - 150

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

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	57.7		ug/L		115	69 - 130
Chloromethane	50.0	38.2		ug/L		76	58 - 137
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	69 - 132
Dibromochloromethane	50.0	51.6		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	36.1		ug/L		72	41 - 146
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	48.0		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	55.3		ug/L		111	70 - 130
Ethyl methacrylate	50.0	55.4		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	53.6		ug/L		107	53 - 140
2-Hexanone	200	273		ug/L		136	65 - 137
Isopropylbenzene	50.0	55.0		ug/L		110	70 - 130
Methylene bromide	50.0	48.9		ug/L		98	70 - 130
Methylene Chloride	50.0	46.7		ug/L		93	66 - 135
4-Methyl-2-pentanone (MIBK)	200	228		ug/L		114	69 - 138
Methyl tert-butyl ether	50.0	49.0		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	53.9		ug/L		108	70 - 130
Naphthalene	50.0	51.5		ug/L		103	47 - 149
n-Butylbenzene	50.0	60.2		ug/L		120	67 - 130
N-Propylbenzene	50.0	56.9		ug/L		114	70 - 130
o-Chlorotoluene	50.0	55.6		ug/L		111	70 - 130
o-Xylene	50.0	54.0		ug/L		108	70 - 130
p-Chlorotoluene	50.0	56.8		ug/L		114	70 - 130
p-Isopropyltoluene	50.0	57.5		ug/L		115	65 - 130
sec-Butylbenzene	50.0	57.8		ug/L		116	66 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
tert-Butylbenzene	50.0	55.1		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	51.4		ug/L		103	65 - 130
Toluene	50.0	54.3		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	54.5		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	60 - 138
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	49.9		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	38.0		ug/L		76	65 - 138

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

Lab Sample ID: LCS 400-715908/1002
Matrix: Water
Analysis Batch: 715908

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	55.2		ug/L		110	70 - 130
1,2,4-Trimethylbenzene	50.0	58.1		ug/L		116	70 - 130
1,3,5-Trimethylbenzene	50.0	59.2		ug/L		118	69 - 130
Vinyl acetate	100	87.9		ug/L		88	26 - 150
Vinyl chloride	50.0	41.5		ug/L		83	59 - 136
Xylenes, Total	100	108		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

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			07/15/25 10:32	1
Acrolein	ND		20	3.3	ug/L			07/15/25 10:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/15/25 10:32	1
Benzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/15/25 10:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/15/25 10:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Bromoform	ND		5.0	0.25	ug/L			07/15/25 10:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/15/25 10:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/15/25 10:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/15/25 10:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/15/25 10:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/15/25 10:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/15/25 10:32	1
Chloroform	ND		1.0	0.90	ug/L			07/15/25 10:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/15/25 10:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/15/25 10:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/15/25 10:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/15/25 10:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/15/25 10:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/15/25 10:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/15/25 10:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/15/25 10:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/15/25 10:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/15/25 10:32	1

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

Lab Sample ID: MB 400-716006/4
Matrix: Water
Analysis Batch: 716006

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	0.090	ug/L			07/15/25 10:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/15/25 10:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/15/25 10:32	1
2-Hexanone	ND		25	4.3	ug/L			07/15/25 10:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/15/25 10:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/15/25 10:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/15/25 10:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/15/25 10:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/15/25 10:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/15/25 10:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/15/25 10:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/15/25 10:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/15/25 10:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/15/25 10:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/15/25 10:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/15/25 10:32	1
Styrene	ND		1.0	1.0	ug/L			07/15/25 10:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/15/25 10:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/15/25 10:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/15/25 10:32	1
Toluene	ND		1.0	0.90	ug/L			07/15/25 10:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/15/25 10:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/15/25 10:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/15/25 10:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/15/25 10:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/15/25 10:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/15/25 10:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/15/25 10:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/15/25 10:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/15/25 10:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/15/25 10:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/15/25 10:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/15/25 10:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/15/25 10:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/15/25 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*56 - 136*		*07/15/25 10:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/15/25 10:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/15/25 10:32*	*1*

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

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	243		ug/L		122	43 - 150
Acrolein	500	481		ug/L		96	38 - 150
Acrylonitrile	500	546		ug/L		109	64 - 142
Benzene	50.0	56.7		ug/L		113	70 - 130
Bromobenzene	50.0	55.5		ug/L		111	70 - 132
Bromochloromethane	50.0	50.3		ug/L		101	70 - 130
Bromodichloromethane	50.0	52.2		ug/L		104	67 - 133
Bromoform	50.0	52.7		ug/L		105	57 - 140
Bromomethane	50.0	38.9		ug/L		78	10 - 150
2-Butanone (MEK)	200	267		ug/L		133	61 - 145
Carbon disulfide	50.0	50.8		ug/L		102	61 - 137
Carbon tetrachloride	50.0	49.4		ug/L		99	61 - 137
Chlorobenzene	50.0	56.3		ug/L		113	70 - 130
Chloroethane	50.0	42.9		ug/L		86	55 - 141
2-Chloroethyl vinyl ether	50.0	50.1		ug/L		100	10 - 150
Chloroform	50.0	50.2		ug/L		100	69 - 130
1-Chlorohexane	50.0	60.1		ug/L		120	69 - 130
Chloromethane	50.0	42.5		ug/L		85	58 - 137
cis-1,2-Dichloroethene	50.0	51.5		ug/L		103	68 - 130
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	69 - 132
Dibromochloromethane	50.0	53.2		ug/L		106	67 - 135
1,2-Dichlorobenzene	50.0	56.8		ug/L		114	67 - 130
1,3-Dichlorobenzene	50.0	57.1		ug/L		114	70 - 130
1,4-Dichlorobenzene	50.0	56.6		ug/L		113	70 - 130
Dichlorodifluoromethane	50.0	39.2		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	52.1		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	50.1		ug/L		100	63 - 134
1,2-Dichloropropane	50.0	57.6		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	57.4		ug/L		115	70 - 130
2,2-Dichloropropane	50.0	48.3		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	54.2		ug/L		108	70 - 130
Ethylbenzene	50.0	57.9		ug/L		116	70 - 130
Ethyl methacrylate	50.0	58.1		ug/L		116	68 - 130
Hexachlorobutadiene	50.0	57.0		ug/L		114	53 - 140
2-Hexanone	200	287	*+	ug/L		144	65 - 137
Isopropylbenzene	50.0	56.9		ug/L		114	70 - 130
Methylene bromide	50.0	51.0		ug/L		102	70 - 130
Methylene Chloride	50.0	49.4		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	241		ug/L		120	69 - 138
Methyl tert-butyl ether	50.0	50.4		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	56.6		ug/L		113	70 - 130
Naphthalene	50.0	55.6		ug/L		111	47 - 149
n-Butylbenzene	50.0	61.9		ug/L		124	67 - 130
N-Propylbenzene	50.0	60.4		ug/L		121	70 - 130
o-Chlorotoluene	50.0	57.2		ug/L		114	70 - 130
o-Xylene	50.0	56.1		ug/L		112	70 - 130
p-Chlorotoluene	50.0	58.8		ug/L		118	70 - 130

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

Lab Sample ID: LCS 400-716006/1002
Matrix: Water
Analysis Batch: 716006

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	61.4		ug/L		123	65 - 130
sec-Butylbenzene	50.0	61.3		ug/L		123	66 - 130
Styrene	50.0	55.8		ug/L		112	70 - 130
tert-Butylbenzene	50.0	57.2		ug/L		114	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.1		ug/L		110	67 - 131
1,1,2,2-Tetrachloroethane	50.0	61.0		ug/L		122	70 - 131
Tetrachloroethene	50.0	53.0		ug/L		106	65 - 130
Toluene	50.0	56.1		ug/L		112	70 - 130
trans-1,2-Dichloroethene	50.0	52.9		ug/L		106	70 - 130
trans-1,3-Dichloropropene	50.0	56.4		ug/L		113	63 - 130
1,2,3-Trichlorobenzene	50.0	54.2		ug/L		108	60 - 138
1,2,4-Trichlorobenzene	50.0	53.1		ug/L		106	60 - 140
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	70 - 130
Trichloroethene	50.0	51.1		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	40.6		ug/L		81	65 - 138
1,2,3-Trichloropropane	50.0	59.1		ug/L		118	70 - 130
1,2,4-Trimethylbenzene	50.0	61.2		ug/L		122	70 - 130
1,3,5-Trimethylbenzene	50.0	61.5		ug/L		123	69 - 130
Vinyl acetate	100	96.0		ug/L		96	26 - 150
Vinyl chloride	50.0	46.4		ug/L		93	59 - 136
Xylenes, Total	100	113		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

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			07/16/25 11:28	1
Acrolein	ND		20	3.3	ug/L			07/16/25 11:28	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 11:28	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 11:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 11:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 11:28	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 11:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 11:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 11:28	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 11:28	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 11:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 11:28	1

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

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.90	ug/L			07/16/25 11:28	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 11:28	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 11:28	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 11:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 11:28	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 11:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 11:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 11:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 11:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 11:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 11:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 11:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 11:28	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 11:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 11:28	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 11:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 11:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 11:28	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 11:28	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 11:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 11:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 11:28	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 11:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 11:28	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/16/25 11:28	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 11:28	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 11:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 11:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 11:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 11:28	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 11:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 11:28	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 11:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 11:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 11:28	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 11:28	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 11:28	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 11:28	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 11:28	1

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

Lab Sample ID: MB 400-716138/4
Matrix: Water
Analysis Batch: 716138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 11:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 11:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 11:28	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 11:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 11:28	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*07/16/25 11:28*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/16/25 11:28*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/16/25 11:28*	*1*

Lab Sample ID: LCS 400-716138/1002
Matrix: Water
Analysis Batch: 716138

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	218		ug/L		109	43 - 150
Acrolein	500	460		ug/L		92	38 - 150
Acrylonitrile	500	497		ug/L		99	64 - 142
Benzene	50.0	49.3		ug/L		99	70 - 130
Bromobenzene	50.0	47.2		ug/L		94	70 - 132
Bromochloromethane	50.0	45.5		ug/L		91	70 - 130
Bromodichloromethane	50.0	46.9		ug/L		94	67 - 133
Bromoform	50.0	44.9		ug/L		90	57 - 140
Bromomethane	50.0	35.1		ug/L		70	10 - 150
2-Butanone (MEK)	200	241		ug/L		120	61 - 145
Carbon disulfide	50.0	45.1		ug/L		90	61 - 137
Carbon tetrachloride	50.0	43.6		ug/L		87	61 - 137
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Chloroethane	50.0	40.6		ug/L		81	55 - 141
2-Chloroethyl vinyl ether	50.0	49.4		ug/L		99	10 - 150
Chloroform	50.0	43.8		ug/L		88	69 - 130
1-Chlorohexane	50.0	51.6		ug/L		103	69 - 130
Chloromethane	50.0	42.5		ug/L		85	58 - 137
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	69 - 132
Dibromochloromethane	50.0	46.4		ug/L		93	67 - 135
1,2-Dichlorobenzene	50.0	47.2		ug/L		94	67 - 130
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 130
Dichlorodifluoromethane	50.0	39.2		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	47.5		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	43.9		ug/L		88	69 - 130
1,1-Dichloroethene	50.0	44.1		ug/L		88	63 - 134
1,2-Dichloropropane	50.0	50.5		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	42.7		ug/L		85	52 - 135

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

Lab Sample ID: LCS 400-716138/1002
Matrix: Water
Analysis Batch: 716138

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	50.0	47.4		ug/L		95	70 - 130
Ethylbenzene	50.0	50.0		ug/L		100	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	49.2		ug/L		98	53 - 140
2-Hexanone	200	248		ug/L		124	65 - 137
Isopropylbenzene	50.0	48.2		ug/L		96	70 - 130
Methylene bromide	50.0	45.2		ug/L		90	70 - 130
Methylene Chloride	50.0	44.5		ug/L		89	66 - 135
4-Methyl-2-pentanone (MIBK)	200	212		ug/L		106	69 - 138
Methyl tert-butyl ether	50.0	46.2		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	70 - 130
Naphthalene	50.0	50.1		ug/L		100	47 - 149
n-Butylbenzene	50.0	52.2		ug/L		104	67 - 130
N-Propylbenzene	50.0	50.9		ug/L		102	70 - 130
o-Chlorotoluene	50.0	49.2		ug/L		98	70 - 130
o-Xylene	50.0	47.5		ug/L		95	70 - 130
p-Chlorotoluene	50.0	50.1		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	50.9		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.2		ug/L		102	66 - 130
Styrene	50.0	47.2		ug/L		94	70 - 130
tert-Butylbenzene	50.0	48.3		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 131
Tetrachloroethene	50.0	52.3		ug/L		105	65 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	47.3		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	50.0	46.6		ug/L		93	60 - 140
1,1,1-Trichloroethane	50.0	43.3		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
Trichloroethene	50.0	46.0		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	38.6		ug/L		77	65 - 138
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	50.9		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	69 - 130
Vinyl acetate	100	89.4		ug/L		89	26 - 150
Vinyl chloride	50.0	45.4		ug/L		91	59 - 136
Xylenes, Total	100	95.5		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*56 - 136*
Dibromofluoromethane	*96*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: 400-279062-8 MS
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		400	226		ug/L		57	43 - 150
Acrolein	ND		1000	1040		ug/L		104	38 - 150
Acrylonitrile	ND	F2	1000	1200		ug/L		120	62 - 149
Benzene	ND	F2	100	112		ug/L		112	56 - 142
Bromobenzene	ND		100	94.8		ug/L		95	59 - 136
Bromochloromethane	ND		100	102		ug/L		102	64 - 140
Bromodichloromethane	ND	F2	100	106		ug/L		106	59 - 143
Bromoform	ND		100	104		ug/L		104	50 - 140
Bromomethane	ND		100	65.9		ug/L		66	10 - 150
2-Butanone (MEK)	ND	F2	400	316		ug/L		79	55 - 150
Carbon disulfide	ND		100	102		ug/L		102	48 - 150
Carbon tetrachloride	ND	F2	100	94.6		ug/L		95	55 - 145
Chlorobenzene	ND	F2	100	100		ug/L		100	64 - 130
Chloroethane	ND		100	82.2		ug/L		82	50 - 150
2-Chloroethyl vinyl ether	ND	F1	100	ND	F1	ug/L		0	10 - 150
Chloroform	3.1		100	102		ug/L		99	60 - 141
1-Chlorohexane	ND	F2	100	92.4		ug/L		92	56 - 136
Chloromethane	ND		100	80.1		ug/L		80	49 - 148
cis-1,2-Dichloroethene	ND	F2	100	104		ug/L		104	59 - 143
cis-1,3-Dichloropropene	ND	F2	100	112		ug/L		112	57 - 140
Dibromochloromethane	ND	F2	100	107		ug/L		107	56 - 143
1,2-Dichlorobenzene	ND		100	88.5		ug/L		88	52 - 137
1,3-Dichlorobenzene	ND		100	86.3		ug/L		86	54 - 135
1,4-Dichlorobenzene	ND		100	89.6		ug/L		90	53 - 135
Dichlorodifluoromethane	ND		100	74.4		ug/L		74	16 - 150
1,1-Dichloroethane	ND		100	111		ug/L		111	61 - 144
1,2-Dichloroethane	ND	F2	100	99.2		ug/L		99	60 - 141
1,1-Dichloroethene	ND	F2	100	95.5		ug/L		95	54 - 147
1,2-Dichloropropane	ND	F2	100	120		ug/L		120	66 - 137
1,3-Dichloropropane	ND	F2	100	117		ug/L		117	66 - 133
2,2-Dichloropropane	ND	F2	100	96.5		ug/L		97	42 - 144
1,1-Dichloropropene	ND	F2	100	105		ug/L		105	65 - 136
Ethylbenzene	8.2	F2	100	103		ug/L		95	58 - 131
Ethyl methacrylate	ND	F2	100	127		ug/L		127	64 - 130
Hexachlorobutadiene	ND		100	60.5		ug/L		60	31 - 149
2-Hexanone	ND	F2 F1	400	385		ug/L		96	65 - 140
Isopropylbenzene	31		100	115		ug/L		83	56 - 133
Methylene bromide	ND	F2	100	105		ug/L		105	63 - 138
Methylene Chloride	ND		100	122		ug/L		122	60 - 146
4-Methyl-2-pentanone (MIBK)	ND	F2	400	476		ug/L		119	63 - 146
Methyl tert-butyl ether	ND		100	109		ug/L		109	59 - 137
m-Xylene & p-Xylene	110	F1	100	183		ug/L		75	57 - 130
Naphthalene	9.4	J	100	121		ug/L		111	25 - 150
n-Butylbenzene	2.1		100	73.1		ug/L		71	41 - 142
N-Propylbenzene	36		100	113		ug/L		77	51 - 138
o-Chlorotoluene	ND		100	85.4		ug/L		85	53 - 134
o-Xylene	6.0	J F2	100	99.8		ug/L		94	61 - 130
p-Chlorotoluene	ND		100	87.0		ug/L		87	54 - 133

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

Lab Sample ID: 400-279062-8 MS
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	1.9	J	100	76.7		ug/L		75	48 - 139
sec-Butylbenzene	3.6		100	80.6		ug/L		77	50 - 138
Styrene	ND	F2	100	94.3		ug/L		94	58 - 131
tert-Butylbenzene	ND		100	85.1		ug/L		85	54 - 146
1,1,1,2-Tetrachloroethane	ND	F2	100	105		ug/L		105	59 - 137
1,1,2,2-Tetrachloroethane	ND		100	122		ug/L		122	66 - 135
Tetrachloroethene	ND	F2	100	89.5		ug/L		89	52 - 133
Toluene	ND	F2	100	104		ug/L		104	65 - 130
trans-1,2-Dichloroethene	ND	F2	100	105		ug/L		105	61 - 143
trans-1,3-Dichloropropene	ND	F2	100	113		ug/L		113	53 - 133
1,2,3-Trichlorobenzene	ND		100	93.4		ug/L		93	43 - 145
1,2,4-Trichlorobenzene	ND		100	87.8		ug/L		88	39 - 148
1,1,1-Trichloroethane	ND	F2	100	97.8		ug/L		98	57 - 142
1,1,2-Trichloroethane	ND	F2	100	119		ug/L		119	66 - 131
Trichloroethene	ND	F2	100	101		ug/L		101	64 - 136
Trichlorofluoromethane	ND		100	70.6		ug/L		71	54 - 150
1,2,3-Trichloropropane	ND		100	120		ug/L		120	65 - 133
1,2,4-Trimethylbenzene	49		100	130		ug/L		81	50 - 139
1,3,5-Trimethylbenzene	16		100	108		ug/L		91	52 - 135
Vinyl acetate	ND		200	194		ug/L		97	26 - 150
Vinyl chloride	ND		100	87.8		ug/L		88	46 - 150
Xylenes, Total	110	F1	200	283		ug/L		84	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
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		400	173		ug/L		43	43 - 150	27	30
Acrolein	ND		1000	912		ug/L		91	38 - 150	13	31
Acrylonitrile	ND	F2	1000	876	F2	ug/L		88	62 - 149	31	30
Benzene	ND	F2	100	81.6	F2	ug/L		82	56 - 142	32	30
Bromobenzene	ND		100	71.2		ug/L		71	59 - 136	28	30
Bromochloromethane	ND		100	75.4		ug/L		75	64 - 140	30	30
Bromodichloromethane	ND	F2	100	77.3	F2	ug/L		77	59 - 143	31	30
Bromoform	ND		100	77.5		ug/L		77	50 - 140	30	30
Bromomethane	ND		100	58.2		ug/L		58	10 - 150	12	50
2-Butanone (MEK)	ND	F2	400	222	F2	ug/L		56	55 - 150	35	30
Carbon disulfide	ND		100	76.9		ug/L		77	48 - 150	28	30
Carbon tetrachloride	ND	F2	100	67.9	F2	ug/L		68	55 - 145	33	30
Chlorobenzene	ND	F2	100	71.0	F2	ug/L		71	64 - 130	34	30
Chloroethane	ND		100	77.2		ug/L		77	50 - 150	6	30
2-Chloroethyl vinyl ether	ND	F1	100	ND	F1	ug/L		0	10 - 150	NC	50

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

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	3.1		100	75.6		ug/L		73	60 - 141	30	30
1-Chlorohexane	ND	F2	100	62.3	F2	ug/L		62	56 - 136	39	30
Chloromethane	ND		100	73.6		ug/L		74	49 - 148	8	31
cis-1,2-Dichloroethene	ND	F2	100	76.5	F2	ug/L		76	59 - 143	31	30
cis-1,3-Dichloropropene	ND	F2	100	79.9	F2	ug/L		80	57 - 140	33	30
Dibromochloromethane	ND	F2	100	76.0	F2	ug/L		76	56 - 143	34	30
1,2-Dichlorobenzene	ND		100	68.5		ug/L		69	52 - 137	25	30
1,3-Dichlorobenzene	ND		100	64.9		ug/L		65	54 - 135	28	30
1,4-Dichlorobenzene	ND		100	68.2		ug/L		68	53 - 135	27	30
Dichlorodifluoromethane	ND		100	67.7		ug/L		68	16 - 150	9	31
1,1-Dichloroethane	ND		100	82.8		ug/L		83	61 - 144	29	30
1,2-Dichloroethane	ND	F2	100	72.9	F2	ug/L		73	60 - 141	31	30
1,1-Dichloroethene	ND	F2	100	70.1	F2	ug/L		70	54 - 147	31	30
1,2-Dichloropropane	ND	F2	100	86.8	F2	ug/L		87	66 - 137	32	30
1,3-Dichloropropane	ND	F2	100	83.6	F2	ug/L		84	66 - 133	33	30
2,2-Dichloropropane	ND	F2	100	70.0	F2	ug/L		70	42 - 144	32	31
1,1-Dichloropropene	ND	F2	100	76.6	F2	ug/L		77	65 - 136	32	30
Ethylbenzene	8.2	F2	100	74.7	F2	ug/L		66	58 - 131	32	30
Ethyl methacrylate	ND	F2	100	91.7	F2	ug/L		92	64 - 130	33	30
Hexachlorobutadiene	ND		100	47.8		ug/L		48	31 - 149	23	36
2-Hexanone	ND	F2 F1	400	256	F1 F2	ug/L		64	65 - 140	40	30
Isopropylbenzene	31		100	87.8		ug/L		57	56 - 133	27	30
Methylene bromide	ND	F2	100	76.2	F2	ug/L		76	63 - 138	32	30
Methylene Chloride	ND		100	93.1		ug/L		93	60 - 146	27	32
4-Methyl-2-pentanone (MIBK)	ND	F2	400	334	F2	ug/L		84	63 - 146	35	30
Methyl tert-butyl ether	ND		100	79.9		ug/L		80	59 - 137	30	30
m-Xylene & p-Xylene	110	F1	100	158	F1	ug/L		50	57 - 130	15	30
Naphthalene	9.4	J	100	99.2		ug/L		90	25 - 150	19	30
n-Butylbenzene	2.1		100	55.2		ug/L		53	41 - 142	28	31
N-Propylbenzene	36		100	94.9		ug/L		59	51 - 138	17	30
o-Chlorotoluene	ND		100	63.5		ug/L		63	53 - 134	29	30
o-Xylene	6.0	J F2	100	72.3	F2	ug/L		66	61 - 130	32	30
p-Chlorotoluene	ND		100	66.6		ug/L		67	54 - 133	27	30
p-Isopropyltoluene	1.9	J	100	59.0		ug/L		57	48 - 139	26	30
sec-Butylbenzene	3.6		100	60.3		ug/L		57	50 - 138	29	30
Styrene	ND	F2	100	66.6	F2	ug/L		67	58 - 131	34	30
tert-Butylbenzene	ND		100	65.9		ug/L		66	54 - 146	25	30
1,1,1,2-Tetrachloroethane	ND	F2	100	73.3	F2	ug/L		73	59 - 137	35	30
1,1,2,2-Tetrachloroethane	ND		100	91.5		ug/L		92	66 - 135	29	30
Tetrachloroethene	ND	F2	100	62.9	F2	ug/L		63	52 - 133	35	30
Toluene	ND	F2	100	74.1	F2	ug/L		74	65 - 130	34	30
trans-1,2-Dichloroethene	ND	F2	100	76.9	F2	ug/L		77	61 - 143	31	30
trans-1,3-Dichloropropene	ND	F2	100	79.4	F2	ug/L		79	53 - 133	35	30
1,2,3-Trichlorobenzene	ND		100	75.6		ug/L		76	43 - 145	21	30
1,2,4-Trichlorobenzene	ND		100	73.4		ug/L		73	39 - 148	18	30
1,1,1-Trichloroethane	ND	F2	100	70.1	F2	ug/L		70	57 - 142	33	30
1,1,2-Trichloroethane	ND	F2	100	86.4	F2	ug/L		86	66 - 131	32	30
Trichloroethene	ND	F2	100	71.5	F2	ug/L		72	64 - 136	34	30
Trichlorofluoromethane	ND		100	60.1		ug/L		60	54 - 150	16	30

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

Lab Sample ID: 400-279062-8 MSD
Matrix: Water
Analysis Batch: 716138

Client Sample ID: P56-ROX-071025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		100	91.7		ug/L		92	65 - 133	26	30
1,2,4-Trimethylbenzene	49		100	115		ug/L		66	50 - 139	12	30
1,3,5-Trimethylbenzene	16		100	88.7		ug/L		72	52 - 135	19	30
Vinyl acetate	ND		200	168		ug/L		84	26 - 150	14	33
Vinyl chloride	ND		100	78.3		ug/L		78	46 - 150	11	30
Xylenes, Total	110	F1	200	231	F1	ug/L		58	59 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 09:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 09:07*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 09:07*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 09:07*	*1*

Lab Sample ID: LCS 400-716127/1004
Matrix: Water
Analysis Batch: 716127

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.463		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.541		ug/L		108	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*94*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

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

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/12/25 07:00	07/15/25 18:21	1

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

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		07/12/25 07:00	07/15/25 18:21	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzenethiol	ND		10	0.60	ug/L		07/12/25 07:00	07/15/25 18:21	1
Anthracene	ND		0.20	0.073	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzoic acid	ND		100	80	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzyl alcohol	ND		35	30	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/12/25 07:00	07/15/25 18:21	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/12/25 07:00	07/15/25 18:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/12/25 07:00	07/15/25 18:21	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/12/25 07:00	07/15/25 18:21	1
Chrysene	ND		0.20	0.039	ug/L		07/12/25 07:00	07/15/25 18:21	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chloroaniline	ND		10	0.28	ug/L		07/12/25 07:00	07/15/25 18:21	1
Fluoranthene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/12/25 07:00	07/15/25 18:21	1
Fluorene	ND		0.20	0.087	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Chlorophenol	ND		10	0.84	ug/L		07/12/25 07:00	07/15/25 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/12/25 07:00	07/15/25 18:21	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dibenzofuran	ND		10	0.64	ug/L		07/12/25 07:00	07/15/25 18:21	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/12/25 07:00	07/15/25 18:21	1
Phenanthrene	ND		0.20	0.044	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pyrene	ND		0.20	0.095	ug/L		07/12/25 07:00	07/15/25 18:21	1
Diethyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/12/25 07:00	07/15/25 18:21	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/12/25 07:00	07/15/25 18:21	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
1,4-Dioxane	ND		10	4.3	ug/L		07/12/25 07:00	07/15/25 18:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/12/25 07:00	07/15/25 18:21	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/12/25 07:00	07/15/25 18:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/12/25 07:00	07/15/25 18:21	1

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

Lab Sample ID: MB 400-715837/1-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		10	0.53	ug/L		07/12/25 07:00	07/15/25 18:21	1
Indene	ND		10	0.44	ug/L		07/12/25 07:00	07/15/25 18:21	1
Isophorone	ND		10	0.80	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Methylphenol	ND		10	0.76	ug/L		07/12/25 07:00	07/15/25 18:21	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Nitroaniline	ND		10	1.4	ug/L		07/12/25 07:00	07/15/25 18:21	1
3-Nitroaniline	ND		10	0.95	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Nitroaniline	ND		10	3.5	ug/L		07/12/25 07:00	07/15/25 18:21	1
Nitrobenzene	ND		10	0.60	ug/L		07/12/25 07:00	07/15/25 18:21	1
2-Nitrophenol	ND		10	1.2	ug/L		07/12/25 07:00	07/15/25 18:21	1
4-Nitrophenol	ND		10	2.7	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/12/25 07:00	07/15/25 18:21	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pentachlorophenol	ND		10	2.8	ug/L		07/12/25 07:00	07/15/25 18:21	1
Phenol	ND		10	0.68	ug/L		07/12/25 07:00	07/15/25 18:21	1
Pyridine	ND		10	3.0	ug/L		07/12/25 07:00	07/15/25 18:21	1
Quinoline	ND		10	0.50	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/12/25 07:00	07/15/25 18:21	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/12/25 07:00	07/15/25 18:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Terphenyl-d14	*81*		*43 - 147*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2-Fluorobiphenyl	*86*		*25 - 139*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2-Fluorophenol	*108*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Phenol-d5	*117*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
Terphenyl-d14	*81*		*28 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*07/12/25 07:00*	*07/15/25 18:21*	*1*

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	28.3		ug/L		85	29 - 110
Aniline	33.3	40.5		ug/L		121	10 - 134
Acenaphthylene	33.3	29.7		ug/L		89	30 - 112
Anthracene	33.3	36.7		ug/L		110	31 - 120
Benzoic acid	214	129		ug/L		60	10 - 180
Benzo[a]anthracene	33.3	36.8		ug/L		110	36 - 118
Benzyl alcohol	33.3	34.6	J	ug/L		104	10 - 150
Benzo[a]pyrene	33.3	34.2		ug/L		103	29 - 120
Bis(2-chloroethoxy)methane	33.3	36.3		ug/L		109	34 - 120
Benzo[b]fluoranthene	33.3	36.3		ug/L		109	32 - 119
Bis(2-chloroethyl)ether	33.3	29.4		ug/L		88	32 - 114

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

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	33.3	30.9		ug/L		93	28 - 115
bis (2-chloroisopropyl) ether	33.3	27.9		ug/L		84	32 - 115
Benzo[k]fluoranthene	33.3	36.2		ug/L		109	30 - 118
Bis(2-ethylhexyl) phthalate	33.3	28.7		ug/L		86	24 - 133
4-Bromophenyl phenyl ether	33.3	31.7		ug/L		95	24 - 120
Chrysene	33.3	36.0		ug/L		108	34 - 113
Butyl benzyl phthalate	33.3	28.0		ug/L		84	24 - 140
Dibenz(a,h)anthracene	33.3	31.2		ug/L		94	29 - 117
4-Chloroaniline	33.3	34.1		ug/L		102	10 - 150
Fluoranthene	33.3	43.2	*+	ug/L		130	30 - 124
4-Chloro-3-methylphenol	33.3	38.3		ug/L		115	10 - 137
Fluorene	33.3	31.5		ug/L		94	30 - 118
2-Chloronaphthalene	33.3	28.3		ug/L		85	10 - 150
2-Chlorophenol	33.3	32.6		ug/L		98	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	30.9		ug/L		93	28 - 115
1-Methylnaphthalene	33.3	28.0		ug/L		84	25 - 120
4-Chlorophenyl phenyl ether	33.3	28.5		ug/L		85	31 - 110
2-Methylnaphthalene	33.3	28.2		ug/L		85	24 - 110
Dibenz[a,h]acridine	49.9	57.6		ug/L		115	40 - 140
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	26.4		ug/L		79	10 - 150
Phenanthrene	33.3	35.4		ug/L		106	32 - 115
2,4-Dichlorophenol	33.3	31.4		ug/L		94	30 - 125
Pyrene	33.3	44.7	*+	ug/L		134	30 - 126
Diethyl phthalate	33.3	24.1		ug/L		72	31 - 118
2,4-Dimethylphenol	33.3	34.0		ug/L		102	10 - 142
Dimethyl phthalate	33.3	27.3		ug/L		82	24 - 125
Di-n-butyl phthalate	33.3	26.8		ug/L		80	30 - 127
4,6-Dinitro-ortho-cresol	66.7	58.3		ug/L		87	10 - 150
2,4-Dinitrophenol	66.7	47.0		ug/L		71	10 - 150
2,4-Dinitrotoluene	33.3	30.9		ug/L		93	30 - 129
2,6-Dinitrotoluene	33.3	32.1		ug/L		96	34 - 132
Di-n-octyl phthalate	33.3	28.2		ug/L		85	28 - 142
1,4-Dioxane	33.3	33.4		ug/L		100	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.6		ug/L		89	29 - 121
Hexachlorobenzene	33.3	31.0		ug/L		93	29 - 113
Hexachlorocyclopentadiene	33.3	25.0		ug/L		75	10 - 150
Hexachloroethane	33.3	25.9		ug/L		78	10 - 112
Indene	50.0	40.5		ug/L		81	10 - 113
Isophorone	33.3	27.8		ug/L		83	29 - 125
2-Methylphenol	33.3	39.4		ug/L		118	11 - 121
3 & 4 Methylphenol	33.3	42.3		ug/L		127	10 - 150
2-Nitroaniline	33.3	35.6		ug/L		107	31 - 141
3-Nitroaniline	33.3	31.4		ug/L		94	33 - 136
4-Nitroaniline	33.3	33.0		ug/L		99	37 - 139
Nitrobenzene	33.3	28.2		ug/L		84	29 - 129
2-Nitrophenol	33.3	33.2		ug/L		99	31 - 142
4-Nitrophenol	66.7	76.3		ug/L		114	10 - 150

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

Lab Sample ID: LCS 400-715837/2-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodimethylamine	33.3	34.9		ug/L		105	10 - 136
N-Nitrosodi-n-propylamine	33.3	31.3		ug/L		94	53 - 134
N-Nitrosodiphenylamine	33.1	32.3		ug/L		98	62 - 132
Pentachlorophenol	66.7	71.7		ug/L		107	14 - 150
Phenol	33.3	48.4		ug/L		145	10 - 150
Pyridine	66.7	128	*+	ug/L		192	10 - 150
Quinoline	49.9	56.4		ug/L		113	50 - 150
2,4,5-Trichlorophenol	33.3	32.1		ug/L		96	27 - 136
2,4,6-Trichlorophenol	33.3	31.2		ug/L		94	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*83*		*43 - 147*
2-Fluorobiphenyl	*83*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*84*		*22 - 150*
Phenol-d5	*131*		*10 - 150*
Terphenyl-d14	*83*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-715837/4-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	46.9		ug/L		94	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*25 - 139*
2-Fluorophenol	*105*		*10 - 150*
Nitrobenzene-d5	*85*		*22 - 150*
Phenol-d5	*120*		*10 - 150*
Terphenyl-d14	*78*		*28 - 150*
2,4,6-Tribromophenol	*76*		*10 - 150*

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	28.6		ug/L		86	29 - 110	1	40
Aniline	33.3	40.1		ug/L		120	10 - 134	1	40
Acenaphthylene	33.3	30.0		ug/L		90	30 - 112	1	40
Anthracene	33.3	38.3		ug/L		115	31 - 120	4	40
Benzoic acid	214	124		ug/L		58	10 - 180	4	40
Benzo[a]anthracene	33.3	39.0		ug/L		117	36 - 118	6	40
Benzyl alcohol	33.3	42.3		ug/L		127	10 - 150	20	40

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

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	33.3	35.9		ug/L		108	29 - 120	5	40
Bis(2-chloroethoxy)methane	33.3	38.1		ug/L		114	34 - 120	5	40
Benzo[b]fluoranthene	33.3	38.1		ug/L		114	32 - 119	5	40
Bis(2-chloroethyl)ether	33.3	31.4		ug/L		94	32 - 114	7	40
Benzo[g,h,i]perylene	33.3	32.3		ug/L		97	28 - 115	4	40
bis (2-chloroisopropyl) ether	33.3	29.7		ug/L		89	32 - 115	7	40
Benzo[k]fluoranthene	33.3	37.8		ug/L		113	30 - 118	4	40
Bis(2-ethylhexyl) phthalate	33.3	29.8		ug/L		90	24 - 133	4	40
4-Bromophenyl phenyl ether	33.3	32.7		ug/L		98	24 - 120	3	40
Chrysene	33.3	38.2	*+	ug/L		115	34 - 113	6	40
Butyl benzyl phthalate	33.3	31.8		ug/L		96	24 - 140	13	40
Dibenz(a,h)anthracene	33.3	32.6		ug/L		98	29 - 117	4	40
4-Chloroaniline	33.3	34.8		ug/L		104	10 - 150	2	40
Fluoranthene	33.3	45.2	*+	ug/L		136	30 - 124	5	40
4-Chloro-3-methylphenol	33.3	39.1		ug/L		117	10 - 137	2	40
Fluorene	33.3	32.1		ug/L		96	30 - 118	2	40
2-Chloronaphthalene	33.3	28.7		ug/L		86	10 - 150	1	40
2-Chlorophenol	33.3	35.8		ug/L		107	28 - 127	9	40
Indeno[1,2,3-cd]pyrene	33.3	31.9		ug/L		96	28 - 115	3	40
1-Methylnaphthalene	33.3	28.7		ug/L		86	25 - 120	3	40
4-Chlorophenyl phenyl ether	33.3	28.7		ug/L		86	31 - 110	1	40
2-Methylnaphthalene	33.3	28.5		ug/L		86	24 - 110	1	40
Dibenz[a,h]acridine	49.9	60.2		ug/L		121	40 - 140	4	40
Dibenzofuran	33.3	35.9		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine	33.3	26.4		ug/L		79	10 - 150	0	40
Phenanthrene	33.3	37.0		ug/L		111	32 - 115	4	40
2,4-Dichlorophenol	33.3	34.0		ug/L		102	30 - 125	8	40
Pyrene	33.3	47.4	*+	ug/L		142	30 - 126	6	40
Diethyl phthalate	33.3	25.1		ug/L		75	31 - 118	4	40
2,4-Dimethylphenol	33.3	35.7		ug/L		107	10 - 142	5	40
Dimethyl phthalate	33.3	28.8		ug/L		86	24 - 125	5	40
Di-n-butyl phthalate	33.3	28.9		ug/L		87	30 - 127	8	40
4,6-Dinitro-ortho-cresol	66.7	63.7		ug/L		96	10 - 150	9	40
2,4-Dinitrophenol	66.7	50.6		ug/L		76	10 - 150	7	40
2,4-Dinitrotoluene	33.3	31.9		ug/L		96	30 - 129	3	40
2,6-Dinitrotoluene	33.3	33.2		ug/L		100	34 - 132	3	40
Di-n-octyl phthalate	33.3	29.3		ug/L		88	28 - 142	4	40
1,4-Dioxane	33.3	35.6		ug/L		107	10 - 137	6	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	29.9		ug/L		90	29 - 121	1	40
Hexachlorobenzene	33.3	32.4		ug/L		97	29 - 113	4	40
Hexachlorocyclopentadiene	33.3	24.2		ug/L		73	10 - 150	3	40
Hexachloroethane	33.3	25.9		ug/L		78	10 - 112	0	40
Indene	50.0	41.6		ug/L		83	10 - 113	3	40
Isophorone	33.3	29.4		ug/L		88	29 - 125	6	40
2-Methylphenol	33.3	40.5	*+	ug/L		122	11 - 121	3	40
3 & 4 Methylphenol	33.3	44.3		ug/L		133	10 - 150	5	40
2-Nitroaniline	33.3	36.6		ug/L		110	31 - 141	3	40
3-Nitroaniline	33.3	32.2		ug/L		97	33 - 136	3	40

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

Lab Sample ID: LCSD 400-715837/3-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			33.3	33.5		ug/L		101	37 - 139	1	40
Nitrobenzene			33.3	29.7		ug/L		89	29 - 129	5	40
2-Nitrophenol			33.3	36.0		ug/L		108	31 - 142	8	40
4-Nitrophenol			66.7	77.1		ug/L		116	10 - 150	1	40
N-Nitrosodimethylamine			33.3	37.9		ug/L		114	10 - 136	8	40
N-Nitrosodi-n-propylamine			33.3	33.7		ug/L		101	53 - 134	7	40
N-Nitrosodiphenylamine			33.1	32.6		ug/L		99	62 - 132	1	40
Pentachlorophenol			66.7	76.2		ug/L		114	14 - 150	6	40
Phenol			33.3	52.1	*+	ug/L		156	10 - 150	7	40
Pyridine			66.7	132	*+	ug/L		198	10 - 150	3	40
Quinoline			49.9	54.5		ug/L		109	50 - 150	3	40
2,4,5-Trichlorophenol			33.3	33.9		ug/L		102	27 - 136	6	40
2,4,6-Trichlorophenol			33.3	32.0		ug/L		96	21 - 132	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*84*		*43 - 147*
2-Fluorobiphenyl	*82*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*87*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*84*		*28 - 150*
2,4,6-Tribromophenol	*109*		*10 - 150*

Lab Sample ID: LCSD 400-715837/5-A
Matrix: Water
Analysis Batch: 716009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	48.9		ug/L		98	10 - 150	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*25 - 139*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*86*		*22 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*85*		*28 - 150*
2,4,6-Tribromophenol	*80*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG | ☐ PIPELINE | ☐ RETAIL
☐ CHEMICALS | ☐ CONSULTANT | ☐ LUBES
☐ TRANSPORTATION | ☑ OTHER __ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/10/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.3.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE:	FAX:	Bill To Contact E-MAIL:
314-429-0100	314-429-0462	melissa.remiger@aecom.com

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	AECOM Other ID:
Melissa Remiger - please see special instructions	314-802-1207	melissa.remiger@aecom.com	Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): J. Mayer, M.Massa

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°	Cooler #1	Cooler #2	Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 3.7 | 0.0

Container PID Readings or Laboratory Notes:

400-279062 Chain of Custody

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071025-8260-A	7/10/2025	0000	Water	2					2	X			
	TB-ROX-071025-8260SIM-A	7/10/2025	0000	Water	2					2		X		
	MW14-ROX-071025	7/10/2025	0945	Water	6			4		10	X	X	X	X
	MW14-ROX-071025-DUP	7/10/2025	0945	Water	6			4		10	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
M. MASSA	FEDEX: 5564 3938 0297	7/10/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/11/25	Time: 0942

Version: 19Sept24

CUSTODY SEALS: 622027, 622026

Page 80 of 83

7/24/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/10/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	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 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071025-8260-B	7/10/2025	0000	Water	2					2	X			
	TB-ROX-071025-8260SIM-B	7/10/2025	0000	Water	2					2		X		
	P56-ROX-071025-EB	7/10/2025	09:45	Water	6			4		10	X	X	X	X
	P56-ROX-071025	7/10/2025	10:25	Water	6			4		10	X	X	X	X
	P57-ROX-071025	7/10/2025	11:35	Water	6			4		10	X	X	X	X
	P93D-ROX-071025	7/10/2025	13:00	Water	6			4		10	X	X	X	X
	P93C-ROX-071025	7/10/2025	14:05	Water	6			4		10	X	X	X	X
	P93C-ROX-071025-DUP	7/10/2025	14:05	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/10/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/11/25	Time: 942

Version: 19Sept24

CUSTODY SEALS: See page 1 of 2.

7/24/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279062-1

Login Number: 279062
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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	3.7°C IR10
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
Job ID: 400-279062-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279098-1 – Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 8/29/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.		X		
Phenol in samples P59-ROX-071125, T12-ROX-071125, P74-ROX-071125 and P93A-ROX-071125 were re-extracted 5 days outside of the extraction time criteria (7 days) and then re-analyzed due to LCS/LCSD recoveries outside control limits in the initial analysis; both sets of data were reported. Results were comparable, therefore, based on professional judgement phenol results in samples P59-ROX-071125, T12-ROX-071125, P74-ROX-071125 and P93A-ROX-071125 were reported from the initial run due to hold time exceedances in the secondary run.					
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.			X	
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Bis(2-chloroethoxy)methane	**127/127**	0	34-120/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111**/110	1	31-110/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Hexachlorobenzene	**119/117**	2	29-113/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	2-Methylphenol	**133/124**	7	11-121/40

Stage 2A Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		

LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	3 & 4 Methylphenol	**156**/144	8	10-150/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	4-Nitrophenol	**168/160**	5	10-150/40
LCS 400-716168/2-A LCSD 400-716168/3-A	SVOCs	Phenol	**158**/145	8	10-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
P59-ROX-071125	SVOCs	2-Methylphenol	J
T12-ROX-071125	SVOCs	2-Methylphenol	J
P59-ROX-071125	SVOCs	Phenol	J
T12-ROX-071125	SVOCs	Phenol	J
P74-ROX-071125	SVOCs	Phenol	J
P93A-ROX-071125	SVOCs	Phenol	J

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-716168/1-A	SVOCs	1,4-Dioxane	6.39 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.

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that were diluted.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on August 6, 2025, to remove reported false positives.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The continuing calibration verifications (CCV) for benzyl alcohol was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. Phenol in samples P74-ROX-071125 and P93A-ROX-071125 had already been qualified for LCS/LCSD recoveries outside criteria, no further qualification required.

Sample ID	Parameter	Analyte	Qualification
P59-ROX-071125	SVOCs	Benzyl alcohol	UJ
T12-ROX-071125	SVOCs	Benzyl alcohol	UJ

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
P74-ROX-071125	SVOCs	Benzyl alcohol			UJ	
P93A-ROX-071125	SVOCs	Benzyl alcohol			UJ	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X		
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X				
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

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JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279098-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Job Narrative
400-279098-1

REVISION
The report being provided is a revision of the original report sent on 7/31/2025. The report (revision 1) is being revised to remove false positives.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/12/2025 9:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716165 recovered above the upper control limit for 1-Chlorohexane and Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-716165/2).

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P59-ROX-071125 (400-279098-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). Elevated reporting limits (RLs) are provided.

Method 8260D: 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-071125-8260 (400-279098-1), P59-ROX-071125 (400-279098-3), T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). 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 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P74-ROX-071125 (400-279098-5). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM: The following sample was diluted due to the abundance of non-target analytes: P93A-ROX-071125 (400-279098-6). 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 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The following samples were re-prepared outside of preparation holding time due to QC failure: P59-ROX-071125 (400-279098-3), T12-ROX-071125 (400-279098-4), P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6).

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P74-ROX-071125 (400-279098-5) and P93A-ROX-071125 (400-279098-6). Elevated reporting limits (RLs) are provided.

Job ID: 400-279098-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-716435 was outside method criteria for the following analyte(s): Pyridine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-717019 and analytical batch 400-717094 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data are reported.

Method 8270E_QQQ: The method blank for preparation batch 400-716168 and analytical batch 400-716658 contained 1,4-Dioxane above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-716168 and analytical batch 400-716658 recovered outside control limits for the qualified analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-716168 and analytical batch 400-716805 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

Method 8270E_QQQ: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-716168 and analytical batch 400-716966 recovered outside control limits for the following analytes: Phenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

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

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-279098-1	TB-ROX-071125-8260	Water	07/11/25 00:00	07/12/25 09:27	Illinois
400-279098-2	TB-ROX-071125-8260SIM	Water	07/11/25 00:00	07/12/25 09:27	Illinois
400-279098-3	P59-ROX-071125	Water	07/11/25 09:45	07/12/25 09:27	Illinois
400-279098-4	T12-ROX-071125	Water	07/11/25 10:50	07/12/25 09:27	Illinois
400-279098-5	P74-ROX-071125	Water	07/11/25 12:05	07/12/25 09:27	Illinois
400-279098-6	P93A-ROX-071125	Water	07/11/25 13:05	07/12/25 09:27	Illinois

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260 — Lab Sample ID: 400-279098-1

No Detections.

Client Sample ID: TB-ROX-071125-8260SIM — Lab Sample ID: 400-279098-2

No Detections.

Client Sample ID: P59-ROX-071125 — Lab Sample ID: 400-279098-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	420		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	210		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	17		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	230		50	30	ug/L	10		8260D	Total/NA
Naphthalene	39	J	50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	28		10	6.9	ug/L	10		8260D	Total/NA
Toluene	64		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	71		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	18		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	240		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.47		0.20	0.084	ug/L	1		8270E	Total/NA
Benzenethiol	0.87	J	9.9	0.59	ug/L	1		8270E	Total/NA
Fluorene	0.24		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	16		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	25		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.25		0.20	0.043	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	3.7	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.3	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	2.0	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	10	*+J	9.9	0.67	ug/L	1		8270E	Total/NA
Phenol - RERA	7.5	J H	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: T12-ROX-071125 — Lab Sample ID: 400-279098-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	41		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	22		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	340		50	30	ug/L	10		8260D	Total/NA
Naphthalene	36	J	50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	37		10	6.9	ug/L	10		8260D	Total/NA
o-Xylene	31	J	50	30	ug/L	10		8260D	Total/NA
Toluene	65		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	10		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	22		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	370		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.45		0.20	0.084	ug/L	1		8270E	Total/NA
Benzenethiol	0.66	J	9.9	0.60	ug/L	1		8270E	Total/NA
Anthracene	0.079	J	0.20	0.073	ug/L	1		8270E	Total/NA
Fluorene	0.32		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	25		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	41		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.57		0.20	0.044	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	4.8	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.0	J	9.9	0.44	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: T12-ROX-071125 (Continued) — Lab Sample ID: 400-279098-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylphenol	2.7	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol	44	*+ J	9.9	0.68	ug/L	1		8270E	Total/NA
Phenol - RERA	29	H	10	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P74-ROX-071125 — Lab Sample ID: 400-279098-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	74		10	5.0	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	120		50	30	ug/L	10		8260D	Total/NA
Toluene	52		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	21		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	7.4	J	10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	130		100	60	ug/L	10		8260D	Total/NA
Benzene - DL	4900		20	10	ug/L	20		8260D	Total/NA
Benzenethiol	0.75	J	9.9	0.59	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.6		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	2.0		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	8.4	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	0.80	J	9.9	0.43	ug/L	1		8270E	Total/NA
Phenol - DL	70	J *+ J	99	6.7	ug/L	10		8270E	Total/NA
Phenol - RERA	63	H	9.9	0.68	ug/L	1		8270E	Total/NA

Client Sample ID: P93A-ROX-071125 — Lab Sample ID: 400-279098-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	56000		200	100	ug/L	200		8260D	Total/NA
Acenaphthene	0.12	J	0.20	0.085	ug/L	1		8270E	Total/NA
Benzenethiol	0.85	J	10	0.60	ug/L	1		8270E	Total/NA
Fluorene	0.15	J	0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	3.6		0.20	0.066	ug/L	1		8270E	Total/NA
Phenol - DL	320	*+ J	100	6.8	ug/L	10		8270E	Total/NA
Phenol - DL	360	H	100	6.8	ug/L	10		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260
Date Collected: 07/11/25 00:00
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/16/25 13:44	1
Acrolein	ND		20	3.3	ug/L			07/16/25 13:44	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 13:44	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 13:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 13:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 13:44	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 13:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 13:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 13:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 13:44	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 13:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 13:44	1
Chloroform	ND		1.0	0.90	ug/L			07/16/25 13:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 13:44	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 13:44	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 13:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 13:44	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 13:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 13:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 13:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 13:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 13:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 13:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 13:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 13:44	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 13:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 13:44	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 13:44	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 13:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 13:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 13:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 13:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 13:44	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 13:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 13:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/16/25 13:44	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260
Date Collected: 07/11/25 00:00
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 13:44	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 13:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 13:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 13:44	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 13:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 13:44	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 13:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 13:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 13:44	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 13:44	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 13:44	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 13:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 13:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 13:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 13:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 13:44	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 13:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 13:44	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/16/25 13:44*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 13:44*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 13:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: TB-ROX-071125-8260SIM
Date Collected: 07/11/25 00:00
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 14:26	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/16/25 14:26*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 14:26*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/16/25 14:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P59-ROX-071125

Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 16:47	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 16:47*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 16:47*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 16:47*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 14:47	10
Acrolein	ND		200	33	ug/L			07/16/25 14:47	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 14:47	10
Benzene	**420**		10	5.0	ug/L			07/16/25 14:47	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 14:47	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 14:47	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 14:47	10
Bromoform	ND		50	2.5	ug/L			07/16/25 14:47	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 14:47	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 14:47	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 14:47	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 14:47	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 14:47	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 14:47	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 14:47	10
Chloroform	ND		10	9.0	ug/L			07/16/25 14:47	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 14:47	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 14:47	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 14:47	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 14:47	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 14:47	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 14:47	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 14:47	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 14:47	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 14:47	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 14:47	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 14:47	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 14:47	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 14:47	10
Ethylbenzene	**210**		10	5.0	ug/L			07/16/25 14:47	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 14:47	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 14:47	10
2-Hexanone	ND		250	43	ug/L			07/16/25 14:47	10
Isopropylbenzene	**17**		10	5.3	ug/L			07/16/25 14:47	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 14:47	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 14:47	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 14:47	10

Client Sample ID: P59-ROX-071125

Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 14:47	10
m-Xylene & p-Xylene	**230**		50	30	ug/L			07/16/25 14:47	10
Naphthalene	**39**	**J**	50	30	ug/L			07/16/25 14:47	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 14:47	10
N-Propylbenzene	**28**		10	6.9	ug/L			07/16/25 14:47	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 14:47	10
o-Xylene	ND		50	30	ug/L			07/16/25 14:47	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 14:47	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 14:47	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 14:47	10
Styrene	ND		10	10	ug/L			07/16/25 14:47	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 14:47	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 14:47	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 14:47	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 14:47	10
Toluene	**64**		10	9.0	ug/L			07/16/25 14:47	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 14:47	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 14:47	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 14:47	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 14:47	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 14:47	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 14:47	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 14:47	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 14:47	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 14:47	10
1,2,4-Trimethylbenzene	**71**		10	8.2	ug/L			07/16/25 14:47	10
1,3,5-Trimethylbenzene	**18**		10	5.6	ug/L			07/16/25 14:47	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 14:47	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 14:47	10
Xylenes, Total	**240**		100	60	ug/L			07/16/25 14:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/16/25 14:47*	*10*
Dibromofluoromethane	*99*		*79 - 130*		*07/16/25 14:47*	*10*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 14:47*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.47**		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 19:09	1
Aniline	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:09	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzenethiol	**0.87**	**J**	9.9	0.59	ug/L		07/16/25 07:00	07/22/25 19:09	1
Anthracene	ND		0.20	0.072	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-chloroethyl)ether	ND	*+	9.9	0.72	ug/L		07/16/25 07:00	07/22/25 19:09	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P59-ROX-071125
Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/16/25 07:00	07/22/25 19:09	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:09	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:09	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 19:09	1
Chrysene	ND		0.20	0.038	ug/L		07/16/25 07:00	07/22/25 19:09	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 19:09	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 19:09	1
Fluorene	**0.24**		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Chlorophenol	ND	*+	9.9	0.83	ug/L		07/16/25 07:00	07/22/25 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:09	1
1-Methylnaphthalene	**16**		0.20	0.065	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Methylnaphthalene	**25**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dibenzofuran	ND	*+	9.9	0.63	ug/L		07/16/25 07:00	07/22/25 19:09	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/16/25 07:00	07/22/25 19:09	1
Phenanthrene	**0.25**		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 19:09	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dimethylphenol	**3.7**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:09	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 19:09	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dinitrophenol	ND	*+	30	4.6	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,6-Dinitrotoluene	ND	*+	9.9	0.29	ug/L		07/16/25 07:00	07/22/25 19:09	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 19:09	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/16/25 07:00	07/22/25 19:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 19:09	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/16/25 07:00	07/22/25 19:09	1
Indene	**1.3**	**J**	9.9	0.43	ug/L		07/16/25 07:00	07/22/25 19:09	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Methylphenol	**2.0**	**J *+**	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 19:09	1
3 & 4 Methylphenol	ND	*+	20	4.5	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Nitroaniline	ND	*+	9.9	1.4	ug/L		07/16/25 07:00	07/22/25 19:09	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 19:09	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/16/25 07:00	07/22/25 19:09	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 19:09	1
4-Nitrophenol	ND		9.9	2.7	ug/L		07/16/25 07:00	07/22/25 19:09	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 19:09	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P59-ROX-071125
Date Collected: 07/11/25 09:45
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND	*+	9.9	0.33	ug/L		07/16/25 07:00	07/22/25 19:09	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 19:09	1
Phenol	**10**	***+**	9.9	0.67	ug/L		07/16/25 07:00	07/22/25 19:09	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 19:09	1
Quinoline	ND		9.9	0.49	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4,5-Trichlorophenol	ND	*+	9.9	0.53	ug/L		07/16/25 07:00	07/22/25 19:09	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2-Fluorobiphenyl	*93*		*25 - 139*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2-Fluorophenol	*124*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Nitrobenzene-d5	*93*		*22 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Phenol-d5	*123*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*
2,4,6-Tribromophenol	*136*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**7.5**	**J H**	10	0.68	ug/L		07/23/25 07:00	07/24/25 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*
Phenol-d5	*89*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*
2,4,6-Tribromophenol	*102*		*10 - 150*	*07/23/25 07:00*	*07/24/25 11:42*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: T12-ROX-071125

Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 11:19	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91*		*50 - 150*		*07/16/25 11:19*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 11:19*	*1*
4-Bromofluorobenzene	*113*		*50 - 150*		*07/16/25 11:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 15:08	10
Acrolein	ND		200	33	ug/L			07/16/25 15:08	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 15:08	10
Benzene	**1200**		10	5.0	ug/L			07/16/25 15:08	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 15:08	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 15:08	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 15:08	10
Bromoform	ND		50	2.5	ug/L			07/16/25 15:08	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 15:08	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 15:08	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 15:08	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 15:08	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 15:08	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 15:08	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 15:08	10
Chloroform	ND		10	9.0	ug/L			07/16/25 15:08	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 15:08	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 15:08	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 15:08	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 15:08	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 15:08	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 15:08	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 15:08	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 15:08	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 15:08	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 15:08	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:08	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:08	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 15:08	10
Ethylbenzene	**41**		10	5.0	ug/L			07/16/25 15:08	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 15:08	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 15:08	10
2-Hexanone	ND		250	43	ug/L			07/16/25 15:08	10
Isopropylbenzene	**22**		10	5.3	ug/L			07/16/25 15:08	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 15:08	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 15:08	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 15:08	10

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 15:08	10
m-Xylene & p-Xylene	**340**		50	30	ug/L			07/16/25 15:08	10
Naphthalene	**36**	**J**	50	30	ug/L			07/16/25 15:08	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 15:08	10
N-Propylbenzene	**37**		10	6.9	ug/L			07/16/25 15:08	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 15:08	10
o-Xylene	**31**	**J**	50	30	ug/L			07/16/25 15:08	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 15:08	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 15:08	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 15:08	10
Styrene	ND		10	10	ug/L			07/16/25 15:08	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 15:08	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 15:08	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 15:08	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 15:08	10
Toluene	**65**		10	9.0	ug/L			07/16/25 15:08	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:08	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 15:08	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 15:08	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 15:08	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 15:08	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 15:08	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 15:08	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 15:08	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 15:08	10
1,2,4-Trimethylbenzene	**10**		10	8.2	ug/L			07/16/25 15:08	10
1,3,5-Trimethylbenzene	**22**		10	5.6	ug/L			07/16/25 15:08	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 15:08	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 15:08	10
Xylenes, Total	**370**		100	60	ug/L			07/16/25 15:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/16/25 15:08*	*10*
Dibromofluoromethane	*100*		*79 - 130*		*07/16/25 15:08*	*10*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/16/25 15:08*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.45**		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 19:41	1
Aniline	ND		9.9	0.74	ug/L		07/16/25 07:00	07/22/25 19:41	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzenethiol	**0.66**	**J**	9.9	0.60	ug/L		07/16/25 07:00	07/22/25 19:41	1
Anthracene	**0.079**	**J**	0.20	0.073	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:41	1

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/22/25 19:41	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:41	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 19:41	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 19:41	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 19:41	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chloroaniline	ND		9.9	0.58	ug/L		07/16/25 07:00	07/22/25 19:41	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 19:41	1
Fluorene	**0.32**		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/16/25 07:00	07/22/25 19:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 19:41	1
1-Methylnaphthalene	**25**		0.20	0.066	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Methylnaphthalene	**41**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dibenzofuran	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 19:41	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/22/25 19:41	1
Phenanthrene	**0.57**		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 19:41	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dimethylphenol	**4.8**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 19:41	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 19:41	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/16/25 07:00	07/22/25 19:41	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/16/25 07:00	07/22/25 19:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 19:41	1
Hexachloroethane	ND		9.9	0.53	ug/L		07/16/25 07:00	07/22/25 19:41	1
Indene	**1.0**	**J**	9.9	0.44	ug/L		07/16/25 07:00	07/22/25 19:41	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Methylphenol	**2.7**	**J *+**	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 19:41	1
3 & 4 Methylphenol	ND	*+	20	4.6	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/16/25 07:00	07/22/25 19:41	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 19:41	1
Nitrobenzene	ND		9.9	0.60	ug/L		07/16/25 07:00	07/22/25 19:41	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 19:41	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/16/25 07:00	07/22/25 19:41	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 19:41	1

Client Sample ID: T12-ROX-071125
Date Collected: 07/11/25 10:50
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/16/25 07:00	07/22/25 19:41	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 19:41	1
Phenol	**44**	***+**	9.9	0.68	ug/L		07/16/25 07:00	07/22/25 19:41	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 19:41	1
Quinoline	ND		9.9	0.50	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		07/16/25 07:00	07/22/25 19:41	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Terphenyl-d14	*55*		*43 - 147*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2-Fluorobiphenyl	*88*		*25 - 139*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2-Fluorophenol	*112*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Nitrobenzene-d5	*86*		*22 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Phenol-d5	*116*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
Terphenyl-d14	*55*		*28 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*
2,4,6-Tribromophenol	*120*		*10 - 150*	*07/16/25 07:00*	*07/22/25 19:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**29**	**H**	10	0.68	ug/L		07/23/25 07:00	07/24/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*
Phenol-d5	*88*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P74-ROX-071125

Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 11:43	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/16/25 11:43*	*1*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/16/25 11:43*	*1*
4-Bromofluorobenzene	*110*		*50 - 150*		*07/16/25 11:43*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			07/16/25 15:29	10
Acrolein	ND		200	33	ug/L			07/16/25 15:29	10
Acrylonitrile	ND		100	28	ug/L			07/16/25 15:29	10
Bromobenzene	ND		10	5.4	ug/L			07/16/25 15:29	10
Bromochloromethane	ND		10	5.2	ug/L			07/16/25 15:29	10
Bromodichloromethane	ND		10	5.0	ug/L			07/16/25 15:29	10
Bromoform	ND		50	2.5	ug/L			07/16/25 15:29	10
Bromomethane	ND		10	9.8	ug/L			07/16/25 15:29	10
2-Butanone (MEK)	ND		250	26	ug/L			07/16/25 15:29	10
Carbon disulfide	ND		10	5.0	ug/L			07/16/25 15:29	10
Carbon tetrachloride	ND		10	1.9	ug/L			07/16/25 15:29	10
Chlorobenzene	ND		10	4.2	ug/L			07/16/25 15:29	10
Chloroethane	ND		10	7.6	ug/L			07/16/25 15:29	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			07/16/25 15:29	10
Chloroform	ND		10	9.0	ug/L			07/16/25 15:29	10
1-Chlorohexane	ND		10	3.2	ug/L			07/16/25 15:29	10
Chloromethane	ND		10	4.0	ug/L			07/16/25 15:29	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			07/16/25 15:29	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			07/16/25 15:29	10
Dibromochloromethane	ND		10	2.4	ug/L			07/16/25 15:29	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			07/16/25 15:29	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			07/16/25 15:29	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			07/16/25 15:29	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			07/16/25 15:29	10
1,1-Dichloroethane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,2-Dichloroethane	ND		10	5.5	ug/L			07/16/25 15:29	10
1,1-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:29	10
1,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,3-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
2,2-Dichloropropane	ND		10	5.0	ug/L			07/16/25 15:29	10
1,1-Dichloropropene	ND		10	0.90	ug/L			07/16/25 15:29	10
Ethylbenzene	**74**		10	5.0	ug/L			07/16/25 15:29	10
Ethyl methacrylate	ND		10	6.0	ug/L			07/16/25 15:29	10
Hexachlorobutadiene	ND		50	9.0	ug/L			07/16/25 15:29	10
2-Hexanone	ND		250	43	ug/L			07/16/25 15:29	10
Isopropylbenzene	ND		10	5.3	ug/L			07/16/25 15:29	10
Methylene bromide	ND		50	2.2	ug/L			07/16/25 15:29	10
Methylene Chloride	ND		50	30	ug/L			07/16/25 15:29	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			07/16/25 15:29	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			07/16/25 15:29	10

Client Sample ID: P74-ROX-071125
Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**120**		50	30	ug/L			07/16/25 15:29	10
Naphthalene	ND		50	30	ug/L			07/16/25 15:29	10
n-Butylbenzene	ND		10	7.6	ug/L			07/16/25 15:29	10
N-Propylbenzene	ND		10	6.9	ug/L			07/16/25 15:29	10
o-Chlorotoluene	ND		10	5.7	ug/L			07/16/25 15:29	10
o-Xylene	ND		50	30	ug/L			07/16/25 15:29	10
p-Chlorotoluene	ND		10	5.6	ug/L			07/16/25 15:29	10
p-Isopropyltoluene	ND		10	7.1	ug/L			07/16/25 15:29	10
sec-Butylbenzene	ND		10	7.0	ug/L			07/16/25 15:29	10
Styrene	ND		10	10	ug/L			07/16/25 15:29	10
tert-Butylbenzene	ND		10	6.3	ug/L			07/16/25 15:29	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			07/16/25 15:29	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			07/16/25 15:29	10
Tetrachloroethene	ND		10	3.3	ug/L			07/16/25 15:29	10
Toluene	**52**		10	9.0	ug/L			07/16/25 15:29	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			07/16/25 15:29	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			07/16/25 15:29	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			07/16/25 15:29	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			07/16/25 15:29	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			07/16/25 15:29	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			07/16/25 15:29	10
Trichloroethene	ND		10	1.5	ug/L			07/16/25 15:29	10
Trichlorofluoromethane	ND		10	2.5	ug/L			07/16/25 15:29	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			07/16/25 15:29	10
1,2,4-Trimethylbenzene	**21**		10	8.2	ug/L			07/16/25 15:29	10
1,3,5-Trimethylbenzene	**7.4**	**J**	10	5.6	ug/L			07/16/25 15:29	10
Vinyl acetate	ND		250	9.3	ug/L			07/16/25 15:29	10
Vinyl chloride	ND		10	5.0	ug/L			07/16/25 15:29	10
Xylenes, Total	**130**		100	60	ug/L			07/16/25 15:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 15:29*	*10*
Dibromofluoromethane	*102*		*79 - 130*		*07/16/25 15:29*	*10*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/16/25 15:29*	*10*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4900**		20	10	ug/L			07/18/25 13:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*56 - 136*		*07/18/25 13:17*	*20*
Dibromofluoromethane	*105*		*79 - 130*		*07/18/25 13:17*	*20*
Toluene-d8 (Surr)	*92*		*64 - 132*		*07/18/25 13:17*	*20*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/16/25 07:00	07/22/25 20:13	1
Aniline	ND		9.9	0.73	ug/L		07/16/25 07:00	07/22/25 20:13	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzenethiol	**0.75**	**J**	9.9	0.59	ug/L		07/16/25 07:00	07/22/25 20:13	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Client Sample ID: P74-ROX-071125
Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzoic acid	ND		99	79	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/16/25 07:00	07/22/25 20:13	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:13	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/16/25 07:00	07/22/25 20:13	1
Chrysene	ND		0.20	0.038	ug/L		07/16/25 07:00	07/22/25 20:13	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/16/25 07:00	07/22/25 20:13	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/16/25 07:00	07/22/25 20:13	1
Fluorene	ND		0.20	0.086	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/16/25 07:00	07/22/25 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:13	1
1-Methylnaphthalene	**1.6**		0.20	0.065	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Methylnaphthalene	**2.0**		0.20	0.076	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/16/25 07:00	07/22/25 20:13	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/16/25 07:00	07/22/25 20:13	1
Phenanthrene	ND		0.20	0.043	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pyrene	ND		0.20	0.094	ug/L		07/16/25 07:00	07/22/25 20:13	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dimethylphenol	**8.4**	**J**	9.9	0.24	ug/L		07/16/25 07:00	07/22/25 20:13	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/16/25 07:00	07/22/25 20:13	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/16/25 07:00	07/22/25 20:13	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/16/25 07:00	07/22/25 20:13	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/16/25 07:00	07/22/25 20:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 20:13	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/16/25 07:00	07/22/25 20:13	1
Indene	**0.80**	**J**	9.9	0.43	ug/L		07/16/25 07:00	07/22/25 20:13	1
Isophorone	ND		9.9	0.79	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/16/25 07:00	07/22/25 20:13	1

Client Sample ID: P74-ROX-071125
Date Collected: 07/11/25 12:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND	*+	20	4.5	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/16/25 07:00	07/22/25 20:13	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/16/25 07:00	07/22/25 20:13	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/16/25 07:00	07/22/25 20:13	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/16/25 07:00	07/22/25 20:13	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/16/25 07:00	07/22/25 20:13	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/16/25 07:00	07/22/25 20:13	1
Pyridine	ND		9.9	3.0	ug/L		07/16/25 07:00	07/22/25 20:13	1
Quinoline	ND		9.9	0.49	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/16/25 07:00	07/22/25 20:13	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/16/25 07:00	07/22/25 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*15 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Nitrobenzene-d5	*103*		*50 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Terphenyl-d14	*62*		*43 - 147*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2-Fluorobiphenyl	*97*		*25 - 139*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2-Fluorophenol	*128*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Nitrobenzene-d5	*103*		*22 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Phenol-d5	*127*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
Terphenyl-d14	*62*		*28 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*
2,4,6-Tribromophenol	*143*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:13*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**70**	**J *+**	99	6.7	ug/L		07/16/25 07:00	07/23/25 15:34	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**63**	**H**	9.9	0.68	ug/L		07/23/25 07:00	07/24/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*85*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*
Phenol-d5	*89*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*
2,4,6-Tribromophenol	*98*		*10 - 150*	*07/23/25 07:00*	*07/24/25 12:45*	*1*

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.50	0.40	ug/L			07/16/25 12:06	25
1,2-Dibromoethane	ND		0.50	0.25	ug/L			07/16/25 12:06	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*92*		*50 - 150*		*07/16/25 12:06*	*25*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 12:06*	*25*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/16/25 12:06*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5000	2000	ug/L			07/16/25 15:50	200
Acrolein	ND		4000	660	ug/L			07/16/25 15:50	200
Acrylonitrile	ND		2000	560	ug/L			07/16/25 15:50	200
Benzene	**56000**		200	100	ug/L			07/16/25 15:50	200
Bromobenzene	ND		200	110	ug/L			07/16/25 15:50	200
Bromochloromethane	ND		200	100	ug/L			07/16/25 15:50	200
Bromodichloromethane	ND		200	100	ug/L			07/16/25 15:50	200
Bromoform	ND		1000	50	ug/L			07/16/25 15:50	200
Bromomethane	ND		200	200	ug/L			07/16/25 15:50	200
2-Butanone (MEK)	ND		5000	520	ug/L			07/16/25 15:50	200
Carbon disulfide	ND		200	100	ug/L			07/16/25 15:50	200
Carbon tetrachloride	ND		200	38	ug/L			07/16/25 15:50	200
Chlorobenzene	ND		200	84	ug/L			07/16/25 15:50	200
Chloroethane	ND		200	150	ug/L			07/16/25 15:50	200
2-Chloroethyl vinyl ether	ND		1000	400	ug/L			07/16/25 15:50	200
Chloroform	ND		200	180	ug/L			07/16/25 15:50	200
1-Chlorohexane	ND		200	64	ug/L			07/16/25 15:50	200
Chloromethane	ND		200	80	ug/L			07/16/25 15:50	200
cis-1,2-Dichloroethene	ND		200	40	ug/L			07/16/25 15:50	200
cis-1,3-Dichloropropene	ND		1000	100	ug/L			07/16/25 15:50	200
Dibromochloromethane	ND		200	48	ug/L			07/16/25 15:50	200
1,2-Dichlorobenzene	ND		200	100	ug/L			07/16/25 15:50	200
1,3-Dichlorobenzene	ND		200	110	ug/L			07/16/25 15:50	200
1,4-Dichlorobenzene	ND		200	130	ug/L			07/16/25 15:50	200
Dichlorodifluoromethane	ND		200	170	ug/L			07/16/25 15:50	200
1,1-Dichloroethane	ND		200	100	ug/L			07/16/25 15:50	200
1,2-Dichloroethane	ND		200	110	ug/L			07/16/25 15:50	200
1,1-Dichloroethene	ND		200	100	ug/L			07/16/25 15:50	200
1,2-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
1,3-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
2,2-Dichloropropane	ND		200	100	ug/L			07/16/25 15:50	200
1,1-Dichloropropene	ND		200	18	ug/L			07/16/25 15:50	200
Ethylbenzene	ND		200	100	ug/L			07/16/25 15:50	200
Ethyl methacrylate	ND		200	120	ug/L			07/16/25 15:50	200
Hexachlorobutadiene	ND		1000	180	ug/L			07/16/25 15:50	200
2-Hexanone	ND		5000	850	ug/L			07/16/25 15:50	200
Isopropylbenzene	ND		200	110	ug/L			07/16/25 15:50	200
Methylene bromide	ND		1000	44	ug/L			07/16/25 15:50	200
Methylene Chloride	ND		1000	600	ug/L			07/16/25 15:50	200
4-Methyl-2-pentanone (MIBK)	ND		5000	360	ug/L			07/16/25 15:50	200

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		200	44	ug/L			07/16/25 15:50	200
m-Xylene & p-Xylene	ND		1000	600	ug/L			07/16/25 15:50	200
Naphthalene	ND		1000	600	ug/L			07/16/25 15:50	200
n-Butylbenzene	ND		200	150	ug/L			07/16/25 15:50	200
N-Propylbenzene	ND		200	140	ug/L			07/16/25 15:50	200
o-Chlorotoluene	ND		200	110	ug/L			07/16/25 15:50	200
o-Xylene	ND		1000	600	ug/L			07/16/25 15:50	200
p-Chlorotoluene	ND		200	110	ug/L			07/16/25 15:50	200
p-Isopropyltoluene	ND		200	140	ug/L			07/16/25 15:50	200
sec-Butylbenzene	ND		200	140	ug/L			07/16/25 15:50	200
Styrene	ND		200	200	ug/L			07/16/25 15:50	200
tert-Butylbenzene	ND		200	130	ug/L			07/16/25 15:50	200
1,1,1,2-Tetrachloroethane	ND		200	76	ug/L			07/16/25 15:50	200
1,1,2,2-Tetrachloroethane	ND		200	100	ug/L			07/16/25 15:50	200
Tetrachloroethene	ND		200	66	ug/L			07/16/25 15:50	200
Toluene	ND		200	180	ug/L			07/16/25 15:50	200
trans-1,2-Dichloroethene	ND		200	100	ug/L			07/16/25 15:50	200
trans-1,3-Dichloropropene	ND		1000	40	ug/L			07/16/25 15:50	200
1,2,3-Trichlorobenzene	ND		200	180	ug/L			07/16/25 15:50	200
1,2,4-Trichlorobenzene	ND		200	160	ug/L			07/16/25 15:50	200
1,1,1-Trichloroethane	ND		200	36	ug/L			07/16/25 15:50	200
1,1,2-Trichloroethane	ND		1000	42	ug/L			07/16/25 15:50	200
Trichloroethene	ND		200	30	ug/L			07/16/25 15:50	200
Trichlorofluoromethane	ND		200	50	ug/L			07/16/25 15:50	200
1,2,3-Trichloropropane	ND		1000	170	ug/L			07/16/25 15:50	200
1,2,4-Trimethylbenzene	ND		200	160	ug/L			07/16/25 15:50	200
1,3,5-Trimethylbenzene	ND		200	110	ug/L			07/16/25 15:50	200
Vinyl acetate	ND		5000	190	ug/L			07/16/25 15:50	200
Vinyl chloride	ND		200	100	ug/L			07/16/25 15:50	200
Xylenes, Total	ND		2000	1200	ug/L			07/16/25 15:50	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 15:50*	*200*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 15:50*	*200*
Toluene-d8 (Surr)	*97*		*64 - 132*		*07/16/25 15:50*	*200*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.12**	**J**	0.20	0.085	ug/L		07/16/25 07:00	07/22/25 20:45	1
Aniline	ND		10	0.74	ug/L		07/16/25 07:00	07/22/25 20:45	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzenethiol	**0.85**	**J**	10	0.60	ug/L		07/16/25 07:00	07/22/25 20:45	1
Anthracene	ND		0.20	0.073	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzoic acid	ND		100	80	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzyl alcohol	ND	UJ	35	30	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/16/25 07:00	07/22/25 20:45	1

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/22/25 20:45	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/16/25 07:00	07/22/25 20:45	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/22/25 20:45	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/16/25 07:00	07/22/25 20:45	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/22/25 20:45	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chloroaniline	ND		10	0.58	ug/L		07/16/25 07:00	07/22/25 20:45	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/16/25 07:00	07/22/25 20:45	1
Fluorene	**0.15**	**J**	0.20	0.087	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Chlorophenol	ND		10	0.84	ug/L		07/16/25 07:00	07/22/25 20:45	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/22/25 20:45	1
1-Methylnaphthalene	**3.6**		0.20	0.066	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dibenzofuran	ND		10	0.64	ug/L		07/16/25 07:00	07/22/25 20:45	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/22/25 20:45	1
Phenanthrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pyrene	ND		0.20	0.095	ug/L		07/16/25 07:00	07/22/25 20:45	1
Diethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/16/25 07:00	07/22/25 20:45	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/16/25 07:00	07/22/25 20:45	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/16/25 07:00	07/22/25 20:45	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
1,4-Dioxane	ND		10	4.3	ug/L		07/16/25 07:00	07/22/25 20:45	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/22/25 20:45	1
Hexachloroethane	ND		10	0.53	ug/L		07/16/25 07:00	07/22/25 20:45	1
Indene	ND		10	0.44	ug/L		07/16/25 07:00	07/22/25 20:45	1
Isophorone	ND		10	0.80	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/16/25 07:00	07/22/25 20:45	1
3 & 4 Methylphenol	ND	*+	20	4.6	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Nitroaniline	ND		10	1.4	ug/L		07/16/25 07:00	07/22/25 20:45	1
3-Nitroaniline	ND		10	0.95	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Nitroaniline	ND		10	3.5	ug/L		07/16/25 07:00	07/22/25 20:45	1
Nitrobenzene	ND		10	0.60	ug/L		07/16/25 07:00	07/22/25 20:45	1
2-Nitrophenol	ND		10	1.2	ug/L		07/16/25 07:00	07/22/25 20:45	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/16/25 07:00	07/22/25 20:45	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/16/25 07:00	07/22/25 20:45	1

Client Sample ID: P93A-ROX-071125
Date Collected: 07/11/25 13:05
Date Received: 07/12/25 09:27

Lab Sample ID: 400-279098-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/16/25 07:00	07/22/25 20:45	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pentachlorophenol	ND		10	2.8	ug/L		07/16/25 07:00	07/22/25 20:45	1
Pyridine	ND		10	3.0	ug/L		07/16/25 07:00	07/22/25 20:45	1
Quinoline	ND		10	0.50	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/16/25 07:00	07/22/25 20:45	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/16/25 07:00	07/22/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Terphenyl-d14	*61*		*43 - 147*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2-Fluorophenol	*122*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Nitrobenzene-d5	*95*		*22 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Phenol-d5	*126*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
Terphenyl-d14	*61*		*28 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*
2,4,6-Tribromophenol	*126*		*10 - 150*	*07/16/25 07:00*	*07/22/25 20:45*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**320**	***+**	100	6.8	ug/L		07/16/25 07:00	07/23/25 16:06	10
Phenol	**360**	**H**	100	6.8	ug/L		07/23/25 07:00	07/25/25 14:08	10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - RERA

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*1*
Phenol-d5	*96*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/23/25 07:00*	*07/24/25 13:16*	*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, high biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279098-1	TB-ROX-071125-8260	103	103	100
400-279098-3	P59-ROX-071125	101	99	100
400-279098-4	T12-ROX-071125	100	100	100
400-279098-5	P74-ROX-071125	99	102	99
400-279098-5 - DL	P74-ROX-071125	105	105	92
400-279098-6	P93A-ROX-071125	99	103	97
LCS 400-716165/1002	Lab Control Sample	106	99	102
LCS 400-716476/1002	Lab Control Sample	93	114	90
MB 400-716165/5	Method Blank	99	103	101
MB 400-716476/4	Method Blank	99	109	93

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279098-2	TB-ROX-071125-8260SIM	99	98	104
400-279098-3	P59-ROX-071125	93	99	105
400-279098-4	T12-ROX-071125	91	99	113
400-279098-5	P74-ROX-071125	93	99	110
400-279098-6	P93A-ROX-071125	92	98	105
LCS 400-716127/1004	Lab Control Sample	94	100	105
MB 400-716127/6	Method Blank	101	98	106

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-279098-3	P59-ROX-071125	93	93	61	93	124	93	123	61
400-279098-3 - RERA	P59-ROX-071125					85		89	
400-279098-4	T12-ROX-071125	88	86	55	88	112	86	116	55
400-279098-4 - RERA	T12-ROX-071125					85		88	
400-279098-5	P74-ROX-071125	97	103	62	97	128	103	127	62
400-279098-5 - RERA	P74-ROX-071125					85		89	
400-279098-6	P93A-ROX-071125	95	95	61	95	122	95	126	61
400-279098-6 - RERA	P93A-ROX-071125					91		96	
LCS 400-716168/2-A	Lab Control Sample				95	128	112	138	102
LCS 400-716168/2-A	Lab Control Sample	97	106	102					

Surrogate Summary

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-716168/47-A	Lab Control Sample				99	119	110	122	98
LCS 400-717019/2-A - RE	Lab Control Sample					102		111	
LCSD 400-716168/3-A	Lab Control Sample Dup				95	127	113	134	106
LCSD 400-716168/3-A	Lab Control Sample Dup	102	113	106					
LCSD 400-716168/48-A	Lab Control Sample Dup				98	123	112	120	98
LCSD 400-717019/3-A - RE	Lab Control Sample Dup					100		109	
MB 400-716168/1-A	Method Blank	94	105	88	94	106	105	98	88
MB 400-717019/1-A - RE	Method Blank					94		91	

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-279098-3	P59-ROX-071125	136
400-279098-3 - RERA	P59-ROX-071125	102
400-279098-4	T12-ROX-071125	120
400-279098-4 - RERA	T12-ROX-071125	92
400-279098-5	P74-ROX-071125	143
400-279098-5 - RERA	P74-ROX-071125	98
400-279098-6	P93A-ROX-071125	126
400-279098-6 - RERA	P93A-ROX-071125	110
LCS 400-716168/2-A	Lab Control Sample	123
LCS 400-716168/2-A	Lab Control Sample	
LCS 400-716168/47-A	Lab Control Sample	105
LCS 400-717019/2-A - RE	Lab Control Sample	101
LCSD 400-716168/3-A	Lab Control Sample Dup	122
LCSD 400-716168/3-A	Lab Control Sample Dup	
LCSD 400-716168/48-A	Lab Control Sample Dup	106
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	99
MB 400-716168/1-A	Method Blank	107
MB 400-717019/1-A - RE	Method Blank	91

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279098-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071125-8260
Lab Sample ID: 400-279098-1
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	716165	07/16/25 13:44	CAR	EET PEN

Client Sample ID: TB-ROX-071125-8260SIM
Lab Sample ID: 400-279098-2
Date Collected: 07/11/25 00:00
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 14:26	NMB	EET PEN

Client Sample ID: P59-ROX-071125
Lab Sample ID: 400-279098-3
Date Collected: 07/11/25 09:45
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 14:47	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 16:47	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716804	07/22/25 19:09	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716805	07/22/25 19:09	UI	EET PEN
Total/NA	Prep	3511	RERA		29.9 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 11:42	JAW	EET PEN

Client Sample ID: T12-ROX-071125
Lab Sample ID: 400-279098-4
Date Collected: 07/11/25 10:50
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 15:08	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 11:19	NMB	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 19:41	UI	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 19:41	UI	EET PEN
Total/NA	Prep	3511	RERA		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 12:13	JAW	EET PEN

Client Sample ID: P74-ROX-071125
Lab Sample ID: 400-279098-5
Date Collected: 07/11/25 12:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	20	5 mL	5 mL	716476	07/18/25 13:17	BPO	EET PEN
Total/NA	Analysis	8260D		10	5 mL	5 mL	716165	07/16/25 15:29	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716127	07/16/25 11:43	NMB	EET PEN

Client Sample ID: P74-ROX-071125
Lab Sample ID: 400-279098-5
Date Collected: 07/11/25 12:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 20:13	UI	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 20:13	UI	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			716966	07/23/25 15:34	S1B	EET PEN
Total/NA	Prep	3511	RERA		30.2 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 12:45	JAW	EET PEN

Client Sample ID: P93A-ROX-071125
Lab Sample ID: 400-279098-6
Date Collected: 07/11/25 13:05
Matrix: Water
Date Received: 07/12/25 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	5 mL	5 mL	716165	07/16/25 15:50	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716127	07/16/25 12:06	NMB	EET PEN
Total/NA	Prep	3511	DL		30.1 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			717240	07/25/25 14:08	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 20:45	UI	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716805	07/22/25 20:45	UI	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			716966	07/23/25 16:06	S1B	EET PEN
Total/NA	Prep	3511	RERA		30.1 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RERA	1			717094	07/24/25 13:16	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716127/6
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	8260D SIM		1	5 mL	5 mL	716127	07/16/25 09:07	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716165/5
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	8260D		1	5 mL	5 mL	716165	07/16/25 10:55	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716168/1-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	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716657	07/21/25 14:43	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 14:43	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716476/4
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	8260D		1	5 mL	5 mL	716476	07/18/25 10:46	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-717019/1-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	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 10:07	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716127/1004
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	8260D SIM		1	5 mL	5 mL	716127	07/16/25 07:59	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716165/1002
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	8260D		1	5 mL	5 mL	716165	07/16/25 09:42	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716168/2-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	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716658	07/21/25 15:19	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 14:20	UI	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716168/47-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	3511			30 mL	2 mL	716168	07/16/25 09:48	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 16:32	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716476/1002
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	8260D		1	5 mL	5 mL	716476	07/18/25 09:34	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-717019/2-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	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 10:39	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716168/3-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	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 15:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716168	07/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716804	07/22/25 14:52	UI	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716168/48-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	3511			30 mL	2 mL	716168	07/16/25 09:48	RAW	EET PEN
Total/NA	Analysis	8270E		1			716658	07/21/25 17:08	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-717019/3-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	3511	RE		30 mL	2 mL	717019	07/23/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	RE	1			717094	07/24/25 11:10	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 716127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-2	TB-ROX-071125-8260SIM	Total/NA	Water	8260D SIM	
400-279098-3	P59-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-4	T12-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-5	P74-ROX-071125	Total/NA	Water	8260D SIM	
400-279098-6	P93A-ROX-071125	Total/NA	Water	8260D SIM	
MB 400-716127/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716127/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-1	TB-ROX-071125-8260	Total/NA	Water	8260D	
400-279098-3	P59-ROX-071125	Total/NA	Water	8260D	
400-279098-4	T12-ROX-071125	Total/NA	Water	8260D	
400-279098-5	P74-ROX-071125	Total/NA	Water	8260D	
400-279098-6	P93A-ROX-071125	Total/NA	Water	8260D	
MB 400-716165/5	Method Blank	Total/NA	Water	8260D	
LCS 400-716165/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	8260D	
MB 400-716476/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716476/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	3511	
400-279098-4	T12-ROX-071125	Total/NA	Water	3511	
400-279098-5	P74-ROX-071125	Total/NA	Water	3511	
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	3511	
400-279098-6	P93A-ROX-071125	Total/NA	Water	3511	
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	3511	
MB 400-716168/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716168/47-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716168/48-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716168/1-A	Method Blank	Total/NA	Water	8270E	716168

Analysis Batch: 716658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716168/1-A	Method Blank	Total/NA	Water	8270E	716168
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCS 400-716168/47-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168
LCSD 400-716168/48-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168

GC/MS Semi VOA

Analysis Batch: 716804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	8270E	716168
400-279098-4	T12-ROX-071125	Total/NA	Water	8270E	716168
400-279098-5	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6	P93A-ROX-071125	Total/NA	Water	8270E	716168
LCS 400-716168/2-A	Lab Control Sample	Total/NA	Water	8270E	716168
LCSD 400-716168/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716168

Analysis Batch: 716805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3	P59-ROX-071125	Total/NA	Water	8270E	716168
400-279098-4	T12-ROX-071125	Total/NA	Water	8270E	716168
400-279098-5	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6	P93A-ROX-071125	Total/NA	Water	8270E	716168

Analysis Batch: 716966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-5 - DL	P74-ROX-071125	Total/NA	Water	8270E	716168
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	8270E	716168

Prep Batch: 717019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3 - RERA	P59-ROX-071125	Total/NA	Water	3511	
400-279098-4 - RERA	T12-ROX-071125	Total/NA	Water	3511	
400-279098-5 - RERA	P74-ROX-071125	Total/NA	Water	3511	
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	3511	
400-279098-6 - RERA	P93A-ROX-071125	Total/NA	Water	3511	
MB 400-717019/1-A - RE	Method Blank	Total/NA	Water	3511	
LCS 400-717019/2-A - RE	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 717094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-3 - RERA	P59-ROX-071125	Total/NA	Water	8270E	717019
400-279098-4 - RERA	T12-ROX-071125	Total/NA	Water	8270E	717019
400-279098-5 - RERA	P74-ROX-071125	Total/NA	Water	8270E	717019
400-279098-6 - RERA	P93A-ROX-071125	Total/NA	Water	8270E	717019
MB 400-717019/1-A - RE	Method Blank	Total/NA	Water	8270E	717019
LCS 400-717019/2-A - RE	Lab Control Sample	Total/NA	Water	8270E	717019
LCSD 400-717019/3-A - RE	Lab Control Sample Dup	Total/NA	Water	8270E	717019

Analysis Batch: 717240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279098-6 - DL	P93A-ROX-071125	Total/NA	Water	8270E	717019

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716165/5
Matrix: Water
Analysis Batch: 716165

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			07/16/25 10:55	1
Acrolein	ND		20	3.3	ug/L			07/16/25 10:55	1
Acrylonitrile	ND		10	2.8	ug/L			07/16/25 10:55	1
Benzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Bromobenzene	ND		1.0	0.54	ug/L			07/16/25 10:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/16/25 10:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Bromoform	ND		5.0	0.25	ug/L			07/16/25 10:55	1
Bromomethane	ND		1.0	0.98	ug/L			07/16/25 10:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/16/25 10:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/16/25 10:55	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/16/25 10:55	1
Chloroethane	ND		1.0	0.76	ug/L			07/16/25 10:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/16/25 10:55	1
Chloroform	ND		1.0	0.90	ug/L			07/16/25 10:55	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/16/25 10:55	1
Chloromethane	ND		1.0	0.40	ug/L			07/16/25 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/16/25 10:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/16/25 10:55	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/16/25 10:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/16/25 10:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/16/25 10:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/16/25 10:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/16/25 10:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/16/25 10:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/16/25 10:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/16/25 10:55	1
2-Hexanone	ND		25	4.3	ug/L			07/16/25 10:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/16/25 10:55	1
Methylene bromide	ND		5.0	0.22	ug/L			07/16/25 10:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/16/25 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/16/25 10:55	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/16/25 10:55	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
Naphthalene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/16/25 10:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/16/25 10:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/16/25 10:55	1
o-Xylene	ND		5.0	3.0	ug/L			07/16/25 10:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/16/25 10:55	1

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

Lab Sample ID: MB 400-716165/5
Matrix: Water
Analysis Batch: 716165

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			07/16/25 10:55	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/16/25 10:55	1
Styrene	ND		1.0	1.0	ug/L			07/16/25 10:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/16/25 10:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/16/25 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/16/25 10:55	1
Toluene	ND		1.0	0.90	ug/L			07/16/25 10:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/16/25 10:55	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/16/25 10:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/16/25 10:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/16/25 10:55	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/16/25 10:55	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/16/25 10:55	1
Trichloroethene	ND		1.0	0.15	ug/L			07/16/25 10:55	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/16/25 10:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/16/25 10:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/16/25 10:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/16/25 10:55	1
Vinyl acetate	ND		25	0.93	ug/L			07/16/25 10:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/16/25 10:55	1
Xylenes, Total	ND		10	6.0	ug/L			07/16/25 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/16/25 10:55*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/16/25 10:55*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/16/25 10:55*	*1*

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	239		ug/L		120	43 - 150
Acrolein	500	616		ug/L		123	38 - 150
Acrylonitrile	500	543		ug/L		109	64 - 142
Benzene	50.0	50.0		ug/L		100	70 - 130
Bromobenzene	50.0	52.2		ug/L		104	70 - 132
Bromochloromethane	50.0	50.3		ug/L		101	70 - 130
Bromodichloromethane	50.0	52.5		ug/L		105	67 - 133
Bromoform	50.0	55.8		ug/L		112	57 - 140
Bromomethane	50.0	47.7		ug/L		95	10 - 150
2-Butanone (MEK)	200	210		ug/L		105	61 - 145
Carbon disulfide	50.0	40.1		ug/L		80	61 - 137
Carbon tetrachloride	50.0	48.8		ug/L		98	61 - 137
Chlorobenzene	50.0	51.1		ug/L		102	70 - 130
Chloroethane	50.0	50.7		ug/L		101	55 - 141
2-Chloroethyl vinyl ether	50.0	57.9		ug/L		116	10 - 150

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

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	51.4		ug/L		103	69 - 130
1-Chlorohexane	50.0	62.4		ug/L		125	69 - 130
Chloromethane	50.0	41.1		ug/L		82	58 - 137
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	55.7		ug/L		111	69 - 132
Dibromochloromethane	50.0	55.4		ug/L		111	67 - 135
1,2-Dichlorobenzene	50.0	53.5		ug/L		107	67 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	28.3		ug/L		57	41 - 146
1,1-Dichloroethane	50.0	53.4		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	52.4		ug/L		105	69 - 130
1,1-Dichloroethene	50.0	45.9		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	57.4		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	56.1		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	54.0		ug/L		108	52 - 135
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Ethyl methacrylate	50.0	55.7		ug/L		111	68 - 130
Hexachlorobutadiene	50.0	51.7		ug/L		103	53 - 140
2-Hexanone	200	250		ug/L		125	65 - 137
Isopropylbenzene	50.0	50.8		ug/L		102	70 - 130
Methylene bromide	50.0	52.1		ug/L		104	70 - 130
Methylene Chloride	50.0	49.2		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	234		ug/L		117	69 - 138
Methyl tert-butyl ether	50.0	52.5		ug/L		105	66 - 130
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 130
Naphthalene	50.0	55.5		ug/L		111	47 - 149
n-Butylbenzene	50.0	55.1		ug/L		110	67 - 130
N-Propylbenzene	50.0	51.1		ug/L		102	70 - 130
o-Chlorotoluene	50.0	53.3		ug/L		107	70 - 130
o-Xylene	50.0	51.2		ug/L		102	70 - 130
p-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	52.0		ug/L		104	65 - 130
sec-Butylbenzene	50.0	52.2		ug/L		104	66 - 130
Styrene	50.0	52.8		ug/L		106	70 - 130
tert-Butylbenzene	50.0	52.4		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	55.5		ug/L		111	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.4		ug/L		113	70 - 131
Tetrachloroethene	50.0	45.4		ug/L		91	65 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	57.8		ug/L		116	63 - 130
1,2,3-Trichlorobenzene	50.0	56.0		ug/L		112	60 - 138
1,2,4-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	68 - 130
1,1,2-Trichloroethane	50.0	58.8		ug/L		118	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	47.7		ug/L		95	65 - 138

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

Lab Sample ID: LCS 400-716165/1002
Matrix: Water
Analysis Batch: 716165

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	50.4		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	50.0	53.0		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	69 - 130
Vinyl acetate	100	119		ug/L		119	26 - 150
Vinyl chloride	50.0	48.4		ug/L		97	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*99*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: MB 400-716476/4
Matrix: Water
Analysis Batch: 716476

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	0.50	ug/L			07/18/25 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/18/25 10:46*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*07/18/25 10:46*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*07/18/25 10:46*	*1*

Lab Sample ID: LCS 400-716476/1002
Matrix: Water
Analysis Batch: 716476

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	58.1		ug/L		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*56 - 136*
Dibromofluoromethane	*114*		*79 - 130*
Toluene-d8 (Surr)	*90*		*64 - 132*

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

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/16/25 09:07	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/16/25 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*50 - 150*		*07/16/25 09:07*	*1*

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

Lab Sample ID: MB 400-716127/6
Matrix: Water
Analysis Batch: 716127

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/16/25 09:07*	*1*
4-Bromofluorobenzene	*106*		*50 - 150*		*07/16/25 09:07*	*1*

Lab Sample ID: LCS 400-716127/1004
Matrix: Water
Analysis Batch: 716127

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.463		ug/L		93	50 - 150		
1,2-Dibromoethane			0.500	0.541		ug/L		108	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*94*		*50 - 150*
Toluene-d8 (Surr)	*100*		*50 - 150*
4-Bromofluorobenzene	*105*		*50 - 150*

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

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/16/25 07:00	07/21/25 14:43	1
Aniline	ND		10	0.74	ug/L		07/16/25 07:00	07/21/25 14:43	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzenethiol	ND		10	0.60	ug/L		07/16/25 07:00	07/21/25 14:43	1
Anthracene	ND		0.20	0.073	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzoic acid	ND		100	80	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzyl alcohol	ND		35	30	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/16/25 07:00	07/21/25 14:43	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/16/25 07:00	07/21/25 14:43	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/16/25 07:00	07/21/25 14:43	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/16/25 07:00	07/21/25 14:43	1
Chrysene	ND		0.20	0.039	ug/L		07/16/25 07:00	07/21/25 14:43	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chloroaniline	ND		10	0.58	ug/L		07/16/25 07:00	07/21/25 14:43	1
Fluoranthene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/16/25 07:00	07/21/25 14:43	1
Fluorene	ND		0.20	0.087	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/16/25 07:00	07/21/25 14:43	1

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

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	0.84	ug/L		07/16/25 07:00	07/21/25 14:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/16/25 07:00	07/21/25 14:43	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dibenzofuran	ND		10	0.64	ug/L		07/16/25 07:00	07/21/25 14:43	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/16/25 07:00	07/21/25 14:43	1
Phenanthrene	ND		0.20	0.044	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pyrene	ND		0.20	0.095	ug/L		07/16/25 07:00	07/21/25 14:43	1
Diethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/16/25 07:00	07/21/25 14:43	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/16/25 07:00	07/21/25 14:43	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/16/25 07:00	07/21/25 14:43	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
1,4-Dioxane	6.39	J	10	4.3	ug/L		07/16/25 07:00	07/21/25 14:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/16/25 07:00	07/21/25 14:43	1
Hexachloroethane	ND		10	0.53	ug/L		07/16/25 07:00	07/21/25 14:43	1
Indene	ND		10	0.44	ug/L		07/16/25 07:00	07/21/25 14:43	1
Isophorone	ND		10	0.80	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Methylphenol	ND		10	0.76	ug/L		07/16/25 07:00	07/21/25 14:43	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Nitroaniline	ND		10	1.4	ug/L		07/16/25 07:00	07/21/25 14:43	1
3-Nitroaniline	ND		10	0.95	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Nitroaniline	ND		10	3.5	ug/L		07/16/25 07:00	07/21/25 14:43	1
Nitrobenzene	ND		10	0.60	ug/L		07/16/25 07:00	07/21/25 14:43	1
2-Nitrophenol	ND		10	1.2	ug/L		07/16/25 07:00	07/21/25 14:43	1
4-Nitrophenol	ND		10	2.7	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/16/25 07:00	07/21/25 14:43	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pentachlorophenol	ND		10	2.8	ug/L		07/16/25 07:00	07/21/25 14:43	1
Phenol	ND		10	0.68	ug/L		07/16/25 07:00	07/21/25 14:43	1
Pyridine	ND		10	3.0	ug/L		07/16/25 07:00	07/21/25 14:43	1
Quinoline	ND		10	0.50	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/16/25 07:00	07/21/25 14:43	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/16/25 07:00	07/21/25 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 150*	*07/16/25 07:00*	*07/21/25 14:43*	*1*

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

Lab Sample ID: MB 400-716168/1-A
Matrix: Water
Analysis Batch: 716657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716168

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	105		50 - 150	07/16/25 07:00	07/21/25 14:43	1
Terphenyl-d14	88		43 - 147	07/16/25 07:00	07/21/25 14:43	1
2-Fluorobiphenyl	94		25 - 139	07/16/25 07:00	07/21/25 14:43	1
2-Fluorophenol	106		10 - 150	07/16/25 07:00	07/21/25 14:43	1
Nitrobenzene-d5	105		22 - 150	07/16/25 07:00	07/21/25 14:43	1
Phenol-d5	98		10 - 150	07/16/25 07:00	07/21/25 14:43	1
Terphenyl-d14	88		28 - 150	07/16/25 07:00	07/21/25 14:43	1
2,4,6-Tribromophenol	107		10 - 150	07/16/25 07:00	07/21/25 14:43	1

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	33.3	44.4		ug/L		133	10 - 134
Benzoic acid	214	112		ug/L		52	10 - 180
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Bis(2-chloroethoxy)methane	33.3	42.4	*+	ug/L		127	34 - 120
Bis(2-chloroethyl)ether	33.3	38.1		ug/L		114	32 - 114
bis (2-chloroisopropyl) ether	33.3	37.6		ug/L		113	32 - 115
Bis(2-ethylhexyl) phthalate	33.3	44.3		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	38.7		ug/L		116	24 - 120
Butyl benzyl phthalate	33.3	36.1		ug/L		108	24 - 140
4-Chloroaniline	33.3	36.8		ug/L		111	10 - 150
4-Chloro-3-methylphenol	33.3	45.3		ug/L		136	10 - 137
2-Chloronaphthalene	33.3	38.3		ug/L		115	10 - 150
2-Chlorophenol	33.3	42.5		ug/L		127	28 - 127
4-Chlorophenyl phenyl ether	33.3	37.0	*+	ug/L		111	31 - 110
Dibenz[a,h]acridine	49.9	51.7		ug/L		104	40 - 150
Dibenzofuran	33.3	36.6		ug/L		110	35 - 110
3,3'-Dichlorobenzidine	33.3	36.0		ug/L		108	10 - 150
2,4-Dichlorophenol	33.3	41.4		ug/L		124	30 - 125
Diethyl phthalate	33.3	28.4		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	38.3		ug/L		115	10 - 142
Dimethyl phthalate	33.3	29.2		ug/L		88	24 - 125
Di-n-butyl phthalate	33.3	35.7		ug/L		107	30 - 127
4,6-Dinitro-ortho-cresol	66.7	89.2		ug/L		134	10 - 150
2,4-Dinitrophenol	66.7	96.0		ug/L		144	10 - 150
2,4-Dinitrotoluene	33.3	42.9		ug/L		129	30 - 129
2,6-Dinitrotoluene	33.3	42.1		ug/L		126	34 - 132
Di-n-octyl phthalate	33.3	43.0		ug/L		129	28 - 142
1,4-Dioxane	33.3	41.4		ug/L		124	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.7		ug/L		119	29 - 121
Hexachlorobenzene	33.3	39.6	*+	ug/L		119	29 - 113
Hexachlorocyclopentadiene	33.3	28.5		ug/L		86	10 - 150
Hexachloroethane	33.3	25.4		ug/L		76	10 - 112
Indene	50.0	36.0		ug/L		72	10 - 113
Isophorone	33.3	41.0		ug/L		123	29 - 125

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

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	33.3	44.5	*+	ug/L		133	11 - 121
3 & 4 Methylphenol	33.3	52.1	*+	ug/L		156	10 - 150
2-Nitroaniline	33.3	45.1		ug/L		135	31 - 141
3-Nitroaniline	33.3	38.2		ug/L		115	33 - 136
4-Nitroaniline	33.3	42.2		ug/L		127	37 - 139
Nitrobenzene	33.3	38.5		ug/L		115	29 - 129
2-Nitrophenol	33.3	44.2		ug/L		133	31 - 142
4-Nitrophenol	66.7	112	*+	ug/L		168	10 - 150
N-Nitrosodimethylamine	33.3	40.9		ug/L		123	10 - 136
N-Nitrosodi-n-propylamine	33.3	42.4		ug/L		127	53 - 134
N-Nitrosodiphenylamine	33.1	39.3		ug/L		119	62 - 132
Pentachlorophenol	66.7	97.9		ug/L		147	14 - 150
Phenol	33.3	52.5	*+	ug/L		158	10 - 150
Pyridine	66.7	75.9		ug/L		114	10 - 150
Quinoline	49.9	49.2		ug/L		99	50 - 150
2,4,5-Trichlorophenol	33.3	44.0		ug/L		132	27 - 136
2,4,6-Trichlorophenol	33.3	43.5		ug/L		131	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*25 - 139*
2-Fluorophenol	*128*		*10 - 150*
Nitrobenzene-d5	*112*		*22 - 150*
Phenol-d5	*138*		*10 - 150*
Terphenyl-d14	*102*		*28 - 150*
2,4,6-Tribromophenol	*123*		*10 - 150*

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.7		ug/L		107	29 - 150
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	38.0		ug/L		114	31 - 150
Benzo[a]anthracene	33.3	39.7		ug/L		119	36 - 150
Benzo[a]pyrene	33.3	37.4		ug/L		112	29 - 150
Benzo[b]fluoranthene	33.3	38.1		ug/L		114	32 - 150
Benzo[g,h,i]perylene	33.3	37.8		ug/L		113	28 - 150
Benzo[k]fluoranthene	33.3	38.6		ug/L		116	30 - 150
Chrysene	33.3	35.5		ug/L		107	34 - 150
Dibenz(a,h)anthracene	33.3	36.5		ug/L		110	29 - 150
Fluoranthene	33.3	38.2		ug/L		115	30 - 150
Fluorene	33.3	38.2		ug/L		115	30 - 150
Indeno[1,2,3-cd]pyrene	33.3	37.0		ug/L		111	28 - 150
1-Methylnaphthalene	33.3	33.9		ug/L		102	25 - 150
2-Methylnaphthalene	33.3	32.3		ug/L		97	24 - 150
Phenanthrene	33.3	37.8		ug/L		113	32 - 150
Pyrene	33.3	40.7		ug/L		122	30 - 150

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

Lab Sample ID: LCS 400-716168/2-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*15 - 150*
Nitrobenzene-d5	*106*		*50 - 150*
Terphenyl-d14	*102*		*43 - 147*

Lab Sample ID: LCS 400-716168/47-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	40.2		ug/L		80	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*110*		*22 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*98*		*28 - 150*
2,4,6-Tribromophenol	*105*		*10 - 150*

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			33.3	42.7		ug/L		128	10 - 134	4	40
Benzoic acid			214	139		ug/L		65	10 - 180	21	40
Benzyl alcohol			33.3	43.7		ug/L		131	10 - 150	2	40
Bis(2-chloroethoxy)methane			33.3	42.4	*+	ug/L		127	34 - 120	0	40
Bis(2-chloroethyl)ether			33.3	37.6		ug/L		113	32 - 114	1	40
bis (2-chloroisopropyl) ether			33.3	36.3		ug/L		109	32 - 115	4	40
Bis(2-ethylhexyl) phthalate			33.3	43.7		ug/L		131	24 - 133	1	40
4-Bromophenyl phenyl ether			33.3	37.5		ug/L		113	24 - 120	3	40
Butyl benzyl phthalate			33.3	35.7		ug/L		107	24 - 140	1	40
4-Chloroaniline			33.3	37.2		ug/L		112	10 - 150	1	40
4-Chloro-3-methylphenol			33.3	44.1		ug/L		132	10 - 137	3	40
2-Chloronaphthalene			33.3	35.4		ug/L		106	10 - 150	8	40
2-Chlorophenol			33.3	40.3		ug/L		121	28 - 127	5	40
4-Chlorophenyl phenyl ether			33.3	36.7		ug/L		110	31 - 110	1	40
Dibenz[a,h]acridine			49.9	51.0		ug/L		102	40 - 150	1	40
Dibenzofuran			33.3	35.5		ug/L		106	35 - 110	3	40
3,3'-Dichlorobenzidine			33.3	36.1		ug/L		108	10 - 150	0	40
2,4-Dichlorophenol			33.3	39.8		ug/L		119	30 - 125	4	40
Diethyl phthalate			33.3	29.6		ug/L		89	31 - 118	4	40
2,4-Dimethylphenol			33.3	38.7		ug/L		116	10 - 142	1	40
Dimethyl phthalate			33.3	28.6		ug/L		86	24 - 125	2	40
Di-n-butyl phthalate			33.3	34.8		ug/L		104	30 - 127	3	40
4,6-Dinitro-ortho-cresol			66.7	86.1		ug/L		129	10 - 150	4	40
2,4-Dinitrophenol			66.7	90.5		ug/L		136	10 - 150	6	40

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

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene			33.3	41.5		ug/L		125	30 - 129	3	40
2,6-Dinitrotoluene			33.3	41.8		ug/L		125	34 - 132	1	40
Di-n-octyl phthalate			33.3	42.2		ug/L		127	28 - 142	2	40
1,4-Dioxane			33.3	40.9		ug/L		123	10 - 137	1	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	38.2		ug/L		115	29 - 121	4	40
Hexachlorobenzene			33.3	38.9	*+	ug/L		117	29 - 113	2	40
Hexachlorocyclopentadiene			33.3	30.2		ug/L		91	10 - 150	6	40
Hexachloroethane			33.3	27.2		ug/L		82	10 - 112	7	40
Indene			50.0	38.7		ug/L		77	10 - 113	7	40
Isophorone			33.3	39.8		ug/L		119	29 - 125	3	40
2-Methylphenol			33.3	41.5	*+	ug/L		124	11 - 121	7	40
3 & 4 Methylphenol			33.3	48.1		ug/L		144	10 - 150	8	40
2-Nitroaniline			33.3	44.6		ug/L		134	31 - 141	1	40
3-Nitroaniline			33.3	38.1		ug/L		114	33 - 136	0	40
4-Nitroaniline			33.3	41.6		ug/L		125	37 - 139	2	40
Nitrobenzene			33.3	37.9		ug/L		114	29 - 129	2	40
2-Nitrophenol			33.3	43.9		ug/L		132	31 - 142	1	40
4-Nitrophenol			66.7	107	*+	ug/L		160	10 - 150	5	40
N-Nitrosodimethylamine			33.3	39.7		ug/L		119	10 - 136	3	40
N-Nitrosodi-n-propylamine			33.3	41.1		ug/L		123	53 - 134	3	40
N-Nitrosodiphenylamine			33.1	37.8		ug/L		114	62 - 132	4	40
Pentachlorophenol			66.7	92.5		ug/L		139	14 - 150	6	40
Phenol			33.3	48.2		ug/L		145	10 - 150	8	40
Pyridine			66.7	75.8		ug/L		114	10 - 150	0	40
Quinoline			49.9	50.6		ug/L		101	50 - 150	3	40
2,4,5-Trichlorophenol			33.3	40.3		ug/L		121	27 - 136	9	40
2,4,6-Trichlorophenol			33.3	41.8		ug/L		126	21 - 132	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*113*		*22 - 150*
Phenol-d5	*134*		*10 - 150*
Terphenyl-d14	*106*		*28 - 150*
2,4,6-Tribromophenol	*122*		*10 - 150*

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	36.4		ug/L		109	29 - 150	2	40
Acenaphthylene			33.3	36.7		ug/L		110	30 - 150	1	40
Anthracene			33.3	37.7		ug/L		113	31 - 150	1	40
Benzo[a]anthracene			33.3	39.5		ug/L		118	36 - 150	0	40
Benzo[a]pyrene			33.3	37.3		ug/L		112	29 - 150	1	40
Benzo[b]fluoranthene			33.3	38.4		ug/L		115	32 - 150	1	40
Benzo[g,h,i]perylene			33.3	37.4		ug/L		112	28 - 150	1	40

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

Lab Sample ID: LCSD 400-716168/3-A
Matrix: Water
Analysis Batch: 716804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[k]fluoranthene			33.3	38.2		ug/L		114	30 - 150	1	40
Chrysene			33.3	35.7		ug/L		107	34 - 150	1	40
Dibenz(a,h)anthracene			33.3	36.2		ug/L		109	29 - 150	1	40
Fluoranthene			33.3	37.6		ug/L		113	30 - 150	2	40
Fluorene			33.3	39.0		ug/L		117	30 - 150	2	40
Indeno[1,2,3-cd]pyrene			33.3	36.5		ug/L		109	28 - 150	1	40
1-Methylnaphthalene			33.3	34.2		ug/L		103	25 - 150	1	40
2-Methylnaphthalene			33.3	33.2		ug/L		100	24 - 150	3	40
Phenanthrene			33.3	37.3		ug/L		112	32 - 150	1	40
Pyrene			33.3	39.7		ug/L		119	30 - 150	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*102*		*15 - 150*
Nitrobenzene-d5	*113*		*50 - 150*
Terphenyl-d14	*106*		*43 - 147*

Lab Sample ID: LCSD 400-716168/48-A
Matrix: Water
Analysis Batch: 716658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	42.0		ug/L		84	10 - 150	4	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*25 - 139*
2-Fluorophenol	*123*		*10 - 150*
Nitrobenzene-d5	*112*		*22 - 150*
Phenol-d5	*120*		*10 - 150*
Terphenyl-d14	*98*		*28 - 150*
2,4,6-Tribromophenol	*106*		*10 - 150*

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

Lab Sample ID: MB 400-717019/1-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol - RE	ND		10	0.68	ug/L		07/23/25 07:00	07/24/25 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol - RE	*94*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*
Phenol-d5 - RE	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*
2,4,6-Tribromophenol - RE	*91*		*10 - 150*	*07/23/25 07:00*	*07/24/25 10:07*	*1*

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

Lab Sample ID: LCS 400-717019/2-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717019

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol - RE			33.3	37.3		ug/L		112	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol - RE	*102*		*10 - 150*
Phenol-d5 - RE	*111*		*10 - 150*
2,4,6-Tribromophenol - RE	*101*		*10 - 150*

Lab Sample ID: LCSD 400-717019/3-A
Matrix: Water
Analysis Batch: 717094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 717019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol - RE			33.3	31.5		ug/L		95	10 - 150	17	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol - RE	*100*		*10 - 150*
Phenol-d5 - RE	*109*		*10 - 150*
2,4,6-Tribromophenol - RE	*99*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/11/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.3.2	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 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins, Mary Massa

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:
4.8°C IR8

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

400-279098 Chain of Custody

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071125-8260	7/11/2025	0000	Water	2					2	X			
	TB-ROX-071125-8260SIM	7/11/2025	0000	Water	2					2		X		
	P59-ROX-071125	7/11/2025	0945	Water	6			4		10	X	X	X	X
	T12-ROX-071125	7/11/2025	1050	Water	6			4		10	X	X	X	X
	P74-ROX-071125	7/11/2025	1205	Water	6			4		10	X	X	X	X
	P93A-ROX-071125	7/11/2025	1305	Water	6			4		10	X	X	X	X

TS 7/11/25

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 5564 3938 0312	Date: 7/11/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Barkston	Date: 7/12/25	Time: 927
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version. 19Sept24

CUSTODY SEALS: 2772469, 2772468

Page 50 of 52

8/6/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279098-1

Login Number: 279098
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins 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	4.8°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
Job ID: 400-279098-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279181-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andreia Vladimirescu 9/1/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 09/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Benzoic acid	25/41	**49**	10-180/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-chloroethoxy) methane	**124/125**	1	34-120/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	133/**136**	2	24-133/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111/111**	1	31-110/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Hexachlorobenzene	**115/114**	1	29-113/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	2-Methylphenol	**136/132**	2	11-121/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Nitrophenol	**160/163**	2	10-150/40

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification. Analytical data that required qualification based on LCS/LCSD data are referenced below. **Method 8270E (SVOCs)** **Sample ID** / **Parameter** / **Analyte** / **Qualification** P58-ROX-071425 / SVOCs / 2-Methylphenol / **J** P58-ROX-071425-DUP / SVOCs / 2-Methylphenol / **J**					
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		
Samples analyzed did not require dilution with the exception of non-detect VOCs in samples P58-ROX-071425, P58-ROX-071425-DUP and P93B-ROX-071425 due to the abundance of non-target analytes and/or to bring the concentration of target analytes within the calibration range. VOCs were non-detect at a dilution factor between 5X, with raised reporting limits of between 5.0 and 130,000 µg/L. VOCs in samples P58-ROX-071425, P58-ROX-071425-DUP and P93B-ROX-071425 were qualified as estimated (UJ) due to sample dilution and historical detections.					
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on July 31, 2025, to removed reported false positives for 2,4-dinitrotoluene.
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The initial calibration verifications (ICV) for pyridine was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X	
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X			
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities and mass spectral			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
P58-ROX-071425	SVOCs	Pyridine	UJ
P58-ROX-071425-DUP	SVOCs	Pyridine	UJ
P93B-ROX-071425	SVOCs	Pyridine	UJ

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/31/2025 2:46:33 PM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279181-1

Reviewed 9/1/2025
AV

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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7/31/2025 2:46:33 PM
Revision 1

Authorized for release by
Leah Klingensmith, Senior Project Manager
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(615)301-5038

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Job Narrative
400-279181-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision
Report revised to unreport false positives for 2,4-dinitrotoluene. Supersedes report dated 7-28-2025.

Receipt
The samples were received on 7/15/2025 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

GC/MS VOA
Method 8260D: 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-071425-8260 (400-279181-1), P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). 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 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716612 recovered above the upper control limit for 1-Chlorohexane and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D_SIM: The following samples were diluted due to the abundance of non-target analytes: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). 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 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-708511 was outside method criteria for the following analyte(s): Benzoic acid. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716959 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane and Hexachlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Job ID: 400-279181-1 (Continued)

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane, Bis(2-ethylhexyl) phthalate and Hexachlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: P58-ROX-071425 (400-279181-3), P58-ROX-071425-DUP (400-279181-4) and P93B-ROX-071425 (400-279181-5). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-716435 was outside method criteria for the following analyte(s): Pyridine. 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279181-1	TB-ROX-071425-8260	Water	07/14/25 00:00	07/15/25 10:05
400-279181-2	TB-ROX-071425-8260SIM	Water	07/14/25 00:00	07/15/25 10:05
400-279181-3	P58-ROX-071425	Water	07/14/25 10:00	07/15/25 10:05
400-279181-4	P58-ROX-071425-DUP	Water	07/14/25 10:00	07/15/25 10:05
400-279181-5	P93B-ROX-071425	Water	07/14/25 11:35	07/15/25 10:05

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: TB-ROX-071425-8260 — Lab Sample ID: 400-279181-1

No Detections.

Client Sample ID: TB-ROX-071425-8260SIM — Lab Sample ID: 400-279181-2

No Detections.

Client Sample ID: P58-ROX-071425 — Lab Sample ID: 400-279181-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	660	J	1000	500	ug/L	1000		8260D	Total/NA
Benzene - DL	390000		5000	2500	ug/L	5000		8260D	Total/NA
Acenaphthene	0.76		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.20		0.20	0.047	ug/L	1		8270E	Total/NA
Benzo[a]anthracene	0.044	J	0.20	0.040	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.052	J	0.20	0.045	ug/L	1		8270E	Total/NA
Chrysene	0.10	J	0.20	0.039	ug/L	1		8270E	Total/NA
Fluorene	1.5		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	54		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	50		0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran	2.0	J	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene	0.85		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.12	J	0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	5.6	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	1.2	J	10	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	1.3	J *+ J	10	0.76	ug/L	1		8270E	Total/NA
Nitrobenzene	2.4	J	10	0.60	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	110		100	23	ug/L	5		8270E	Total/NA
Phenol - DL2	490		200	14	ug/L	20		8270E	Total/NA

Client Sample ID: P58-ROX-071425-DUP — Lab Sample ID: 400-279181-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	630	J	1000	500	ug/L	1000		8260D	Total/NA
Benzene - DL	350000		5000	2500	ug/L	5000		8260D	Total/NA
Acenaphthene	0.73		0.20	0.085	ug/L	1		8270E	Total/NA
Acenaphthylene	0.21		0.20	0.047	ug/L	1		8270E	Total/NA
Chrysene	0.094	J	0.20	0.039	ug/L	1		8270E	Total/NA
Fluorene	1.4		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	55		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	50		0.20	0.077	ug/L	1		8270E	Total/NA
Dibenzofuran	2.0	J	10	0.64	ug/L	1		8270E	Total/NA
Phenanthrene	0.80		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.099	J	0.20	0.095	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	5.3	J	10	0.24	ug/L	1		8270E	Total/NA
Indene	1.3	J	10	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	1.1	J *+ J	10	0.76	ug/L	1		8270E	Total/NA
Nitrobenzene	2.4	J	10	0.60	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	130		100	23	ug/L	5		8270E	Total/NA
Phenol - DL2	500		200	14	ug/L	20		8270E	Total/NA

Client Sample ID: P93B-ROX-071425 — Lab Sample ID: 400-279181-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	930000		10000	5000	ug/L	10000		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P93B-ROX-071425 (Continued)

Lab Sample ID: 400-279181-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.30		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.19	J	0.20	0.075	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	3.2	J	9.8	0.24	ug/L	1		8270E	Total/NA
Indene	0.60	J	9.8	0.43	ug/L	1		8270E	Total/NA
Phenol - DL	260		200	13	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: TB-ROX-071425-8260
Date Collected: 07/14/25 00:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/19/25 15:56	1
Acrolein	ND		20	3.3	ug/L			07/19/25 15:56	1
Acrylonitrile	ND		10	2.8	ug/L			07/19/25 15:56	1
Benzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Bromobenzene	ND		1.0	0.54	ug/L			07/19/25 15:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/19/25 15:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Bromoform	ND		5.0	0.25	ug/L			07/19/25 15:56	1
Bromomethane	ND		1.0	0.98	ug/L			07/19/25 15:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/19/25 15:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/19/25 15:56	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/19/25 15:56	1
Chloroethane	ND		1.0	0.76	ug/L			07/19/25 15:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/19/25 15:56	1
Chloroform	ND		1.0	0.90	ug/L			07/19/25 15:56	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/19/25 15:56	1
Chloromethane	ND		1.0	0.40	ug/L			07/19/25 15:56	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/19/25 15:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/19/25 15:56	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/19/25 15:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/19/25 15:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/19/25 15:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/19/25 15:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/19/25 15:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/19/25 15:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/19/25 15:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/19/25 15:56	1
2-Hexanone	ND		25	4.3	ug/L			07/19/25 15:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/19/25 15:56	1
Methylene bromide	ND		5.0	0.22	ug/L			07/19/25 15:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/19/25 15:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/19/25 15:56	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/19/25 15:56	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
Naphthalene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/19/25 15:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/19/25 15:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/19/25 15:56	1
o-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/19/25 15:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/19/25 15:56	1

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071425-8260
Lab Sample ID: 400-279181-1
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 10:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/19/25 15:56	1
Styrene	ND		1.0	1.0	ug/L			07/19/25 15:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/19/25 15:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/19/25 15:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/19/25 15:56	1
Toluene	ND		1.0	0.90	ug/L			07/19/25 15:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:56	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/19/25 15:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/19/25 15:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/19/25 15:56	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/19/25 15:56	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/19/25 15:56	1
Trichloroethene	ND		1.0	0.15	ug/L			07/19/25 15:56	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/19/25 15:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/19/25 15:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/19/25 15:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/19/25 15:56	1
Vinyl acetate	ND		25	0.93	ug/L			07/19/25 15:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/19/25 15:56	1
Xylenes, Total	ND		10	6.0	ug/L			07/19/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/19/25 15:56*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 15:56*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/19/25 15:56*	*1*

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071425-8260SIM
Lab Sample ID: 400-279181-2
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 10:05

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/18/25 09:33	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/18/25 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*50 - 150*		*07/18/25 09:33*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/18/25 09:33*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/18/25 09:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	5.0	4.0	ug/L			07/21/25 15:27	250
1,2-Dibromoethane	ND	UJ	5.0	2.5	ug/L			07/21/25 15:27	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/21/25 15:27*	*250*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/21/25 15:27*	*250*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/21/25 15:27*	*250*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			07/19/25 20:06	1000
Acrolein	ND		20000	3300	ug/L			07/19/25 20:06	1000
Acrylonitrile	ND		10000	2800	ug/L			07/19/25 20:06	1000
Bromobenzene	ND		1000	540	ug/L			07/19/25 20:06	1000
Bromochloromethane	ND		1000	520	ug/L			07/19/25 20:06	1000
Bromodichloromethane	ND		1000	500	ug/L			07/19/25 20:06	1000
Bromoform	ND		5000	250	ug/L			07/19/25 20:06	1000
Bromomethane	ND		1000	980	ug/L			07/19/25 20:06	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			07/19/25 20:06	1000
Carbon disulfide	ND		1000	500	ug/L			07/19/25 20:06	1000
Carbon tetrachloride	ND		1000	190	ug/L			07/19/25 20:06	1000
Chlorobenzene	ND		1000	420	ug/L			07/19/25 20:06	1000
Chloroethane	ND		1000	760	ug/L			07/19/25 20:06	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			07/19/25 20:06	1000
Chloroform	ND		1000	900	ug/L			07/19/25 20:06	1000
1-Chlorohexane	ND		1000	320	ug/L			07/19/25 20:06	1000
Chloromethane	ND		1000	400	ug/L			07/19/25 20:06	1000
cis-1,2-Dichloroethene	ND		1000	200	ug/L			07/19/25 20:06	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			07/19/25 20:06	1000
Dibromochloromethane	ND		1000	240	ug/L			07/19/25 20:06	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			07/19/25 20:06	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			07/19/25 20:06	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			07/19/25 20:06	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			07/19/25 20:06	1000
1,1-Dichloroethane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,2-Dichloroethane	ND		1000	550	ug/L			07/19/25 20:06	1000
1,1-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:06	1000
1,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,3-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
2,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:06	1000
1,1-Dichloropropene	ND		1000	90	ug/L			07/19/25 20:06	1000
Ethylbenzene	**660**	**J**	1000	500	ug/L			07/19/25 20:06	1000
Ethyl methacrylate	ND		1000	600	ug/L			07/19/25 20:06	1000
Hexachlorobutadiene	ND		5000	900	ug/L			07/19/25 20:06	1000
2-Hexanone	ND		25000	4300	ug/L			07/19/25 20:06	1000
Isopropylbenzene	ND		1000	530	ug/L			07/19/25 20:06	1000
Methylene bromide	ND		5000	220	ug/L			07/19/25 20:06	1000
Methylene Chloride	ND		5000	3000	ug/L			07/19/25 20:06	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			07/19/25 20:06	1000
Methyl tert-butyl ether	ND		1000	220	ug/L			07/19/25 20:06	1000

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5000	3000	ug/L			07/19/25 20:06	1000
Naphthalene	ND		5000	3000	ug/L			07/19/25 20:06	1000
n-Butylbenzene	ND		1000	760	ug/L			07/19/25 20:06	1000
N-Propylbenzene	ND		1000	690	ug/L			07/19/25 20:06	1000
o-Chlorotoluene	ND		1000	570	ug/L			07/19/25 20:06	1000
o-Xylene	ND		5000	3000	ug/L			07/19/25 20:06	1000
p-Chlorotoluene	ND		1000	560	ug/L			07/19/25 20:06	1000
p-Isopropyltoluene	ND		1000	710	ug/L			07/19/25 20:06	1000
sec-Butylbenzene	ND		1000	700	ug/L			07/19/25 20:06	1000
Styrene	ND		1000	1000	ug/L			07/19/25 20:06	1000
tert-Butylbenzene	ND		1000	630	ug/L			07/19/25 20:06	1000
1,1,1,2-Tetrachloroethane	ND		1000	380	ug/L			07/19/25 20:06	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			07/19/25 20:06	1000
Tetrachloroethene	ND		1000	330	ug/L			07/19/25 20:06	1000
Toluene	ND		1000	900	ug/L			07/19/25 20:06	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:06	1000
trans-1,3-Dichloropropene	ND		5000	200	ug/L			07/19/25 20:06	1000
1,2,3-Trichlorobenzene	ND		1000	900	ug/L			07/19/25 20:06	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			07/19/25 20:06	1000
1,1,1-Trichloroethane	ND		1000	180	ug/L			07/19/25 20:06	1000
1,1,2-Trichloroethane	ND		5000	210	ug/L			07/19/25 20:06	1000
Trichloroethene	ND		1000	150	ug/L			07/19/25 20:06	1000
Trichlorofluoromethane	ND		1000	250	ug/L			07/19/25 20:06	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			07/19/25 20:06	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			07/19/25 20:06	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			07/19/25 20:06	1000
Vinyl acetate	ND		25000	930	ug/L			07/19/25 20:06	1000
Vinyl chloride	ND		1000	500	ug/L			07/19/25 20:06	1000
Xylenes, Total	ND		10000	6000	ug/L			07/19/25 20:06	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:06*	*1000*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 20:06*	*1000*
Toluene-d8 (Surr)	*99*		*64 - 132*		*07/19/25 20:06*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**390000**		5000	2500	ug/L			07/22/25 20:42	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*56 - 136*		*07/22/25 20:42*	*5000*
Dibromofluoromethane	*103*		*79 - 130*		*07/22/25 20:42*	*5000*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/22/25 20:42*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.76**		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 15:27	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 15:27	1
Acenaphthylene	**0.20**		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 15:27	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[a]anthracene	**0.044**	**J**	0.20	0.040	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[a]pyrene	**0.052**	**J**	0.20	0.045	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 15:27	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 15:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 15:27	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 15:27	1
Chrysene	**0.10**	**J**	0.20	0.039	ug/L		07/18/25 07:00	07/23/25 15:27	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 15:27	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 15:27	1
Fluorene	**1.5**		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 15:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 15:27	1
1-Methylnaphthalene	**54**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Methylnaphthalene	**50**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dibenzofuran	**2.0**	**J**	10	0.64	ug/L		07/18/25 07:00	07/23/25 15:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 15:27	1
Phenanthrene	**0.85**		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pyrene	**0.12**	**J**	0.20	0.095	ug/L		07/18/25 07:00	07/23/25 15:27	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dimethylphenol	**5.6**	**J**	10	0.24	ug/L		07/18/25 07:00	07/23/25 15:27	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 15:27	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 15:27	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 15:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 15:27	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 15:27	1
Indene	**1.2**	**J**	10	0.44	ug/L		07/18/25 07:00	07/23/25 15:27	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Methylphenol	**1.3**	**J *+ J**	10	0.76	ug/L		07/18/25 07:00	07/23/25 15:27	1

Client Sample ID: P58-ROX-071425

Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-3

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 15:27	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 15:27	1
Nitrobenzene	**2.4**	**J**	10	0.60	ug/L		07/18/25 07:00	07/23/25 15:27	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 15:27	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 15:27	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 15:27	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 15:27	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 15:27	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2-Fluorophenol	*104*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Nitrobenzene-d5	*96*		*22 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Phenol-d5	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*
2,4,6-Tribromophenol	*118*		*10 - 150*	*07/18/25 07:00*	*07/23/25 15:27*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**110**		100	23	ug/L		07/18/25 07:00	07/24/25 14:10	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**490**		200	14	ug/L		07/18/25 07:00	07/24/25 14:47	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	5.0	4.0	ug/L			07/21/25 15:50	250
1,2-Dibromoethane	ND	UJ	5.0	2.5	ug/L			07/21/25 15:50	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/21/25 15:50*	*250*
Toluene-d8 (Surr)	*101*		*50 - 150*		*07/21/25 15:50*	*250*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/21/25 15:50*	*250*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			07/19/25 20:27	1000
Acrolein	ND		20000	3300	ug/L			07/19/25 20:27	1000
Acrylonitrile	ND		10000	2800	ug/L			07/19/25 20:27	1000
Bromobenzene	ND		1000	540	ug/L			07/19/25 20:27	1000
Bromochloromethane	ND		1000	520	ug/L			07/19/25 20:27	1000
Bromodichloromethane	ND		1000	500	ug/L			07/19/25 20:27	1000
Bromoform	ND		5000	250	ug/L			07/19/25 20:27	1000
Bromomethane	ND		1000	980	ug/L			07/19/25 20:27	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			07/19/25 20:27	1000
Carbon disulfide	ND		1000	500	ug/L			07/19/25 20:27	1000
Carbon tetrachloride	ND		1000	190	ug/L			07/19/25 20:27	1000
Chlorobenzene	ND		1000	420	ug/L			07/19/25 20:27	1000
Chloroethane	ND		1000	760	ug/L			07/19/25 20:27	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			07/19/25 20:27	1000
Chloroform	ND		1000	900	ug/L			07/19/25 20:27	1000
1-Chlorohexane	ND		1000	320	ug/L			07/19/25 20:27	1000
Chloromethane	ND		1000	400	ug/L			07/19/25 20:27	1000
cis-1,2-Dichloroethene	ND		1000	200	ug/L			07/19/25 20:27	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			07/19/25 20:27	1000
Dibromochloromethane	ND		1000	240	ug/L			07/19/25 20:27	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			07/19/25 20:27	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			07/19/25 20:27	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			07/19/25 20:27	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			07/19/25 20:27	1000
1,1-Dichloroethane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,2-Dichloroethane	ND		1000	550	ug/L			07/19/25 20:27	1000
1,1-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:27	1000
1,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,3-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
2,2-Dichloropropane	ND		1000	500	ug/L			07/19/25 20:27	1000
1,1-Dichloropropene	ND		1000	90	ug/L			07/19/25 20:27	1000
Ethylbenzene	**630**	**J**	1000	500	ug/L			07/19/25 20:27	1000
Ethyl methacrylate	ND		1000	600	ug/L			07/19/25 20:27	1000
Hexachlorobutadiene	ND		5000	900	ug/L			07/19/25 20:27	1000
2-Hexanone	ND		25000	4300	ug/L			07/19/25 20:27	1000
Isopropylbenzene	ND		1000	530	ug/L			07/19/25 20:27	1000
Methylene bromide	ND		5000	220	ug/L			07/19/25 20:27	1000
Methylene Chloride	ND		5000	3000	ug/L			07/19/25 20:27	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			07/19/25 20:27	1000
Methyl tert-butyl ether	ND		1000	220	ug/L			07/19/25 20:27	1000

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5000	3000	ug/L			07/19/25 20:27	1000
Naphthalene	ND		5000	3000	ug/L			07/19/25 20:27	1000
n-Butylbenzene	ND		1000	760	ug/L			07/19/25 20:27	1000
N-Propylbenzene	ND		1000	690	ug/L			07/19/25 20:27	1000
o-Chlorotoluene	ND		1000	570	ug/L			07/19/25 20:27	1000
o-Xylene	ND		5000	3000	ug/L			07/19/25 20:27	1000
p-Chlorotoluene	ND		1000	560	ug/L			07/19/25 20:27	1000
p-Isopropyltoluene	ND		1000	710	ug/L			07/19/25 20:27	1000
sec-Butylbenzene	ND		1000	700	ug/L			07/19/25 20:27	1000
Styrene	ND		1000	1000	ug/L			07/19/25 20:27	1000
tert-Butylbenzene	ND		1000	630	ug/L			07/19/25 20:27	1000
1,1,1,2-Tetrachloroethane	ND		1000	380	ug/L			07/19/25 20:27	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			07/19/25 20:27	1000
Tetrachloroethene	ND		1000	330	ug/L			07/19/25 20:27	1000
Toluene	ND		1000	900	ug/L			07/19/25 20:27	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			07/19/25 20:27	1000
trans-1,3-Dichloropropene	ND		5000	200	ug/L			07/19/25 20:27	1000
1,2,3-Trichlorobenzene	ND		1000	900	ug/L			07/19/25 20:27	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			07/19/25 20:27	1000
1,1,1-Trichloroethane	ND		1000	180	ug/L			07/19/25 20:27	1000
1,1,2-Trichloroethane	ND		5000	210	ug/L			07/19/25 20:27	1000
Trichloroethene	ND		1000	150	ug/L			07/19/25 20:27	1000
Trichlorofluoromethane	ND		1000	250	ug/L			07/19/25 20:27	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			07/19/25 20:27	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			07/19/25 20:27	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			07/19/25 20:27	1000
Vinyl acetate	ND		25000	930	ug/L			07/19/25 20:27	1000
Vinyl chloride	ND		1000	500	ug/L			07/19/25 20:27	1000
Xylenes, Total	ND		10000	6000	ug/L			07/19/25 20:27	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:27*	*1000*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 20:27*	*1000*
Toluene-d8 (Surr)	*96*		*64 - 132*		*07/19/25 20:27*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350000**		5000	2500	ug/L			07/22/25 21:03	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/22/25 21:03*	*5000*
Dibromofluoromethane	*103*		*79 - 130*		*07/22/25 21:03*	*5000*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/22/25 21:03*	*5000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.73**		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 16:04	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 16:04	1
Acenaphthylene	**0.21**		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 16:04	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P58-ROX-071425-DUP
Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 16:04	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 16:04	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 16:04	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 16:04	1
Chrysene	**0.094**	**J**	0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:04	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 16:04	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 16:04	1
Fluorene	**1.4**		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 16:04	1
1-Methylnaphthalene	**55**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Methylnaphthalene	**50**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dibenzofuran	**2.0**	**J**	10	0.64	ug/L		07/18/25 07:00	07/23/25 16:04	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 16:04	1
Phenanthrene	**0.80**		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pyrene	**0.099**	**J**	0.20	0.095	ug/L		07/18/25 07:00	07/23/25 16:04	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dimethylphenol	**5.3**	**J**	10	0.24	ug/L		07/18/25 07:00	07/23/25 16:04	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 16:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 16:04	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 16:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 16:04	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 16:04	1
Indene	**1.3**	**J**	10	0.44	ug/L		07/18/25 07:00	07/23/25 16:04	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Methylphenol	**1.1**	**J *+** J	10	0.76	ug/L		07/18/25 07:00	07/23/25 16:04	1

Client Sample ID: P58-ROX-071425-DUP

Date Collected: 07/14/25 10:00
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-4

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 16:04	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 16:04	1
Nitrobenzene	**2.4**	**J**	10	0.60	ug/L		07/18/25 07:00	07/23/25 16:04	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 16:04	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 16:04	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 16:04	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 16:04	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 16:04	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Terphenyl-d14	*57*		*43 - 147*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2-Fluorobiphenyl	*72*		*25 - 139*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2-Fluorophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Phenol-d5	*100*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
Terphenyl-d14	*57*		*28 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*
2,4,6-Tribromophenol	*115*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**130**		100	23	ug/L		07/18/25 07:00	07/24/25 15:24	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**500**		200	14	ug/L		07/18/25 07:00	07/24/25 16:01	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P93B-ROX-071425

Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	20	16	ug/L			07/21/25 16:14	1000
1,2-Dibromoethane	ND	UJ	20	10	ug/L			07/21/25 16:14	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/21/25 16:14*	*1000*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/21/25 16:14*	*1000*
4-Bromofluorobenzene	*98*		*50 - 150*		*07/21/25 16:14*	*1000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	130000	50000	ug/L			07/19/25 20:48	5000
Acrolein	ND	UJ	100000	17000	ug/L			07/19/25 20:48	5000
Acrylonitrile	ND	UJ	50000	14000	ug/L			07/19/25 20:48	5000
Bromobenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
Bromochloromethane	ND	UJ	5000	2600	ug/L			07/19/25 20:48	5000
Bromodichloromethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Bromoform	ND	UJ	25000	1300	ug/L			07/19/25 20:48	5000
Bromomethane	ND	UJ	5000	4900	ug/L			07/19/25 20:48	5000
2-Butanone (MEK)	ND	UJ	130000	13000	ug/L			07/19/25 20:48	5000
Carbon disulfide	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Carbon tetrachloride	ND	UJ	5000	950	ug/L			07/19/25 20:48	5000
Chlorobenzene	ND	UJ	5000	2100	ug/L			07/19/25 20:48	5000
Chloroethane	ND	UJ	5000	3800	ug/L			07/19/25 20:48	5000
2-Chloroethyl vinyl ether	ND	UJ	25000	10000	ug/L			07/19/25 20:48	5000
Chloroform	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
1-Chlorohexane	ND	UJ	5000	1600	ug/L			07/19/25 20:48	5000
Chloromethane	ND	UJ	5000	2000	ug/L			07/19/25 20:48	5000
cis-1,2-Dichloroethene	ND	UJ	5000	1000	ug/L			07/19/25 20:48	5000
cis-1,3-Dichloropropene	ND	UJ	25000	2500	ug/L			07/19/25 20:48	5000
Dibromochloromethane	ND	UJ	5000	1200	ug/L			07/19/25 20:48	5000
1,2-Dichlorobenzene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,3-Dichlorobenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
1,4-Dichlorobenzene	ND	UJ	5000	3200	ug/L			07/19/25 20:48	5000
Dichlorodifluoromethane	ND	UJ	5000	4300	ug/L			07/19/25 20:48	5000
1,1-Dichloroethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,2-Dichloroethane	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
1,1-Dichloroethene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,2-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,3-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
2,2-Dichloropropane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
1,1-Dichloropropene	ND	UJ	5000	450	ug/L			07/19/25 20:48	5000
Ethylbenzene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Ethyl methacrylate	ND	UJ	5000	3000	ug/L			07/19/25 20:48	5000
Hexachlorobutadiene	ND	UJ	25000	4500	ug/L			07/19/25 20:48	5000
2-Hexanone	ND	UJ	130000	21000	ug/L			07/19/25 20:48	5000
Isopropylbenzene	ND	UJ	5000	2700	ug/L			07/19/25 20:48	5000
Methylene bromide	ND	UJ	25000	1100	ug/L			07/19/25 20:48	5000
Methylene Chloride	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
4-Methyl-2-pentanone (MIBK)	ND	UJ	130000	9000	ug/L			07/19/25 20:48	5000
Methyl tert-butyl ether	ND	UJ	5000	1100	ug/L			07/19/25 20:48	5000

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
Naphthalene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
n-Butylbenzene	ND	UJ	5000	3800	ug/L			07/19/25 20:48	5000
N-Propylbenzene	ND	UJ	5000	3500	ug/L			07/19/25 20:48	5000
o-Chlorotoluene	ND	UJ	5000	2900	ug/L			07/19/25 20:48	5000
o-Xylene	ND	UJ	25000	15000	ug/L			07/19/25 20:48	5000
p-Chlorotoluene	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
p-Isopropyltoluene	ND	UJ	5000	3600	ug/L			07/19/25 20:48	5000
sec-Butylbenzene	ND	UJ	5000	3500	ug/L			07/19/25 20:48	5000
Styrene	ND	UJ	5000	5000	ug/L			07/19/25 20:48	5000
tert-Butylbenzene	ND	UJ	5000	3200	ug/L			07/19/25 20:48	5000
1,1,1,2-Tetrachloroethane	ND	UJ	5000	1900	ug/L			07/19/25 20:48	5000
1,1,2,2-Tetrachloroethane	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Tetrachloroethene	ND	UJ	5000	1700	ug/L			07/19/25 20:48	5000
Toluene	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
trans-1,2-Dichloroethene	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
trans-1,3-Dichloropropene	ND	UJ	25000	1000	ug/L			07/19/25 20:48	5000
1,2,3-Trichlorobenzene	ND	UJ	5000	4500	ug/L			07/19/25 20:48	5000
1,2,4-Trichlorobenzene	ND	UJ	5000	4100	ug/L			07/19/25 20:48	5000
1,1,1-Trichloroethane	ND	UJ	5000	900	ug/L			07/19/25 20:48	5000
1,1,2-Trichloroethane	ND	UJ	25000	1100	ug/L			07/19/25 20:48	5000
Trichloroethene	ND	UJ	5000	750	ug/L			07/19/25 20:48	5000
Trichlorofluoromethane	ND	UJ	5000	1300	ug/L			07/19/25 20:48	5000
1,2,3-Trichloropropane	ND	UJ	25000	4200	ug/L			07/19/25 20:48	5000
1,2,4-Trimethylbenzene	ND	UJ	5000	4100	ug/L			07/19/25 20:48	5000
1,3,5-Trimethylbenzene	ND	UJ	5000	2800	ug/L			07/19/25 20:48	5000
Vinyl acetate	ND	UJ	130000	4700	ug/L			07/19/25 20:48	5000
Vinyl chloride	ND	UJ	5000	2500	ug/L			07/19/25 20:48	5000
Xylenes, Total	ND	UJ	50000	30000	ug/L			07/19/25 20:48	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/19/25 20:48*	*5000*
Dibromofluoromethane	*105*		*79 - 130*		*07/19/25 20:48*	*5000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/19/25 20:48*	*5000*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**930000**		10000	5000	ug/L			07/22/25 21:23	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/22/25 21:23*	*10000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 21:23*	*10000*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/22/25 21:23*	*10000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.083	ug/L		07/18/25 07:00	07/23/25 16:40	1
Aniline	ND		9.8	0.73	ug/L		07/18/25 07:00	07/23/25 16:40	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzenethiol	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 16:40	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzoic acid	ND	*1	98	78	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzyl alcohol	ND		34	29	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-chloroethoxy)methane	ND	*+	9.8	0.33	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 16:40	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 16:40	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 16:40	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/18/25 07:00	07/23/25 16:40	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 16:40	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chloroaniline	ND		9.8	0.57	ug/L		07/18/25 07:00	07/23/25 16:40	1
Fluoranthene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 16:40	1
Fluorene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Chlorophenol	ND		9.8	0.82	ug/L		07/18/25 07:00	07/23/25 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 16:40	1
1-Methylnaphthalene	**0.30**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Chlorophenyl phenyl ether	ND	*+	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Methylnaphthalene	**0.19**	**J**	0.20	0.075	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/18/25 07:00	07/23/25 16:40	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 16:40	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pyrene	ND		0.20	0.093	ug/L		07/18/25 07:00	07/23/25 16:40	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dimethylphenol	**3.2**	**J**	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 16:40	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Di-n-butyl phthalate	ND		9.8	8.0	ug/L		07/18/25 07:00	07/23/25 16:40	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		07/18/25 07:00	07/23/25 16:40	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/18/25 07:00	07/23/25 16:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachlorobenzene	ND	*+	9.8	0.25	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/18/25 07:00	07/23/25 16:40	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/18/25 07:00	07/23/25 16:40	1
Indene	**0.60**	**J**	9.8	0.43	ug/L		07/18/25 07:00	07/23/25 16:40	1
Isophorone	ND		9.8	0.78	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/18/25 07:00	07/23/25 16:40	1

Client Sample ID: P93B-ROX-071425
Date Collected: 07/14/25 11:35
Date Received: 07/15/25 10:05

Lab Sample ID: 400-279181-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/18/25 07:00	07/23/25 16:40	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/18/25 07:00	07/23/25 16:40	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 16:40	1
2-Nitrophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 16:40	1
4-Nitrophenol	ND	*+	9.8	2.7	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/18/25 07:00	07/23/25 16:40	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pentachlorophenol	ND		9.8	2.7	ug/L		07/18/25 07:00	07/23/25 16:40	1
Pyridine	ND	UJ	9.8	2.9	ug/L		07/18/25 07:00	07/23/25 16:40	1
Quinoline	ND		9.8	0.49	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/18/25 07:00	07/23/25 16:40	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Terphenyl-d14	*65*		*43 - 147*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2-Fluorophenol	*108*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Nitrobenzene-d5	*102*		*22 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Phenol-d5	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
Terphenyl-d14	*65*		*28 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 16:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**260**		200	13	ug/L		07/18/25 07:00	07/24/25 16:38	20

Definitions/Glossary

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

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, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279181-1	TB-ROX-071425-8260	101	103	99
400-279181-3	P58-ROX-071425	99	103	99
400-279181-3 - DL	P58-ROX-071425	95	103	102
400-279181-4	P58-ROX-071425-DUP	99	103	96
400-279181-4 - DL	P58-ROX-071425-DUP	97	103	103
400-279181-5	P93B-ROX-071425	99	105	100
400-279181-5 - DL	P93B-ROX-071425	97	102	102
LCS 400-716612/1002	Lab Control Sample	99	101	99
LCS 400-716790/1002	Lab Control Sample	106	93	101
MB 400-716612/5	Method Blank	103	103	100
MB 400-716790/4	Method Blank	96	104	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279181-2	TB-ROX-071425-8260SIM	104	98	105
400-279181-3	P58-ROX-071425	93	99	100
400-279181-4	P58-ROX-071425-DUP	94	101	102
400-279181-5	P93B-ROX-071425	95	97	98
LCS 400-716452/1004	Lab Control Sample	94	100	106
LCS 400-716688/1004	Lab Control Sample	95	102	103
MB 400-716452/6	Method Blank	103	98	105
MB 400-716688/6	Method Blank	101	99	102

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
400-279181-3	P58-ROX-071425	77	96	60	77	104	96	101	60
400-279181-4	P58-ROX-071425-DUP	72	92	57	72	103	92	100	57
400-279181-5	P93B-ROX-071425	79	102	65	79	108	102	103	65
LCS 400-716503/49-A	Lab Control Sample				91	108	101	107	91
LCSD 400-716503/50-A	Lab Control Sample Dup				100	112	109	110	101

Surrogate Summary

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
400-279181-3	P58-ROX-071425	118							
400-279181-4	P58-ROX-071425-DUP	115							
400-279181-5	P93B-ROX-071425	103							
LCS 400-716503/49-A	Lab Control Sample	97							
LCSD 400-716503/50-A	Lab Control Sample Dup	97							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	NBZ	TPHL	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(50-150)	(43-147)	(25-139)	(10-150)	(22-150)	(10-150)	(28-150)
LCS 400-716503/2-A	Lab Control Sample	89	102	94	89	119	102	126	94
LCSD 400-716503/3-A	Lab Control Sample Dup	92	107	97	92	127	107	136	97
MB 400-716503/1-A	Method Blank	95	110	90	95	97	110	83	90

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP							
Lab Sample ID	Client Sample ID	(10-150)							
LCS 400-716503/2-A	Lab Control Sample	107							
LCSD 400-716503/3-A	Lab Control Sample Dup	113							
MB 400-716503/1-A	Method Blank	103							

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279181-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071425-8260
Lab Sample ID: 400-279181-1
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 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	8260D		1	5 mL	5 mL	716612	07/19/25 15:56	BPO	EET PEN

Client Sample ID: TB-ROX-071425-8260SIM
Lab Sample ID: 400-279181-2
Date Collected: 07/14/25 00:00
Matrix: Water
Date Received: 07/15/25 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	8260D SIM		1	5 mL	5 mL	716452	07/18/25 09:33	NMB	EET PEN

Client Sample ID: P58-ROX-071425
Lab Sample ID: 400-279181-3
Date Collected: 07/14/25 10:00
Matrix: Water
Date Received: 07/15/25 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	8260D		1000	5 mL	5 mL	716612	07/19/25 20:06	BPO	EET PEN
Total/NA	Analysis	8260D	DL	5000	5 mL	5 mL	716790	07/22/25 20:42	CAR	EET PEN
Total/NA	Analysis	8260D SIM		250	5 mL	5 mL	716688	07/21/25 15:27	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716958	07/23/25 15:27	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716959	07/23/25 15:27	JAW	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717087	07/24/25 14:10	S1B	EET PEN
Total/NA	Prep	3511	DL2		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 14:47	S1B	EET PEN

Client Sample ID: P58-ROX-071425-DUP
Lab Sample ID: 400-279181-4
Date Collected: 07/14/25 10:00
Matrix: Water
Date Received: 07/15/25 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	8260D		1000	5 mL	5 mL	716612	07/19/25 20:27	BPO	EET PEN
Total/NA	Analysis	8260D	DL	5000	5 mL	5 mL	716790	07/22/25 21:03	CAR	EET PEN
Total/NA	Analysis	8260D SIM		250	5 mL	5 mL	716688	07/21/25 15:50	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716958	07/23/25 16:04	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	716959	07/23/25 16:04	JAW	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717087	07/24/25 15:24	S1B	EET PEN
Total/NA	Prep	3511	DL2		30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 16:01	S1B	EET PEN

Client Sample ID: P93B-ROX-071425
Lab Sample ID: 400-279181-5
Date Collected: 07/14/25 11:35
Matrix: Water
Date Received: 07/15/25 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	8260D		5000	5 mL	5 mL	716612	07/19/25 20:48	BPO	EET PEN
Total/NA	Analysis	8260D	DL	10000	5 mL	5 mL	716790	07/22/25 21:23	CAR	EET PEN
Total/NA	Analysis	8260D SIM		1000	5 mL	5 mL	716688	07/21/25 16:14	NMB	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 16:40	JAW	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 16:40	JAW	EET PEN
Total/NA	Prep	3511	DL		30.6 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			717087	07/24/25 16:38	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716452/6
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	8260D SIM		1	5 mL	5 mL	716452	07/18/25 09:10	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716503/1-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716612/5
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	8260D		1	5 mL	5 mL	716612	07/19/25 15:14	BPO	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716688/6
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	8260D SIM		1	5 mL	5 mL	716688	07/21/25 13:06	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716790/4
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	8260D		1	5 mL	5 mL	716790	07/22/25 11:53	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716452/1004
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	8260D SIM		1	5 mL	5 mL	716452	07/18/25 07:56	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/2-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/49-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:49	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716612/1002
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	8260D		1	5 mL	5 mL	716612	07/19/25 10:59	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716688/1004
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	8260D SIM		1	5 mL	5 mL	716688	07/21/25 12:05	NMB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716790/1002
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	8260D		1	5 mL	5 mL	716790	07/22/25 10:56	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/3-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:13	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 20:13	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/50-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 21:24	JAW	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 716452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-2	TB-ROX-071425-8260SIM	Total/NA	Water	8260D SIM	
MB 400-716452/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716452/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-1	TB-ROX-071425-8260	Total/NA	Water	8260D	
400-279181-3	P58-ROX-071425	Total/NA	Water	8260D	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8260D	
400-279181-5	P93B-ROX-071425	Total/NA	Water	8260D	
MB 400-716612/5	Method Blank	Total/NA	Water	8260D	
LCS 400-716612/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8260D SIM	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8260D SIM	
400-279181-5	P93B-ROX-071425	Total/NA	Water	8260D SIM	
MB 400-716688/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716688/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	8260D	
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	8260D	
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	8260D	
MB 400-716790/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716790/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	3511	
400-279181-3 - DL2	P58-ROX-071425	Total/NA	Water	3511	
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	3511	
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-4 - DL2	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	3511	
400-279181-5	P93B-ROX-071425	Total/NA	Water	3511	
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	3511	
MB 400-716503/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503

GC/MS Semi VOA (Continued)

Analysis Batch: 716600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5	P93B-ROX-071425	Total/NA	Water	8270E	716503

Analysis Batch: 716959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5	P93B-ROX-071425	Total/NA	Water	8270E	716503

Analysis Batch: 717087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279181-3 - DL	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-3 - DL2	P58-ROX-071425	Total/NA	Water	8270E	716503
400-279181-4 - DL	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-4 - DL2	P58-ROX-071425-DUP	Total/NA	Water	8270E	716503
400-279181-5 - DL	P93B-ROX-071425	Total/NA	Water	8270E	716503

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716612/5
Matrix: Water
Analysis Batch: 716612

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			07/19/25 15:14	1
Acrolein	ND		20	3.3	ug/L			07/19/25 15:14	1
Acrylonitrile	ND		10	2.8	ug/L			07/19/25 15:14	1
Benzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Bromobenzene	ND		1.0	0.54	ug/L			07/19/25 15:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/19/25 15:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Bromoform	ND		5.0	0.25	ug/L			07/19/25 15:14	1
Bromomethane	ND		1.0	0.98	ug/L			07/19/25 15:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/19/25 15:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/19/25 15:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/19/25 15:14	1
Chloroethane	ND		1.0	0.76	ug/L			07/19/25 15:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/19/25 15:14	1
Chloroform	ND		1.0	0.90	ug/L			07/19/25 15:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/19/25 15:14	1
Chloromethane	ND		1.0	0.40	ug/L			07/19/25 15:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/19/25 15:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/19/25 15:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/19/25 15:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/19/25 15:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/19/25 15:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/19/25 15:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/19/25 15:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/19/25 15:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/19/25 15:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/19/25 15:14	1
2-Hexanone	ND		25	4.3	ug/L			07/19/25 15:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/19/25 15:14	1
Methylene bromide	ND		5.0	0.22	ug/L			07/19/25 15:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/19/25 15:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/19/25 15:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/19/25 15:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
Naphthalene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/19/25 15:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/19/25 15:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/19/25 15:14	1
o-Xylene	ND		5.0	3.0	ug/L			07/19/25 15:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/19/25 15:14	1

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

Lab Sample ID: MB 400-716612/5
Matrix: Water
Analysis Batch: 716612

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			07/19/25 15:14	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/19/25 15:14	1
Styrene	ND		1.0	1.0	ug/L			07/19/25 15:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/19/25 15:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/19/25 15:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/19/25 15:14	1
Toluene	ND		1.0	0.90	ug/L			07/19/25 15:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/19/25 15:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/19/25 15:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/19/25 15:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/19/25 15:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/19/25 15:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/19/25 15:14	1
Trichloroethene	ND		1.0	0.15	ug/L			07/19/25 15:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/19/25 15:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/19/25 15:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/19/25 15:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/19/25 15:14	1
Vinyl acetate	ND		25	0.93	ug/L			07/19/25 15:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/19/25 15:14	1
Xylenes, Total	ND		10	6.0	ug/L			07/19/25 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/19/25 15:14*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/19/25 15:14*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/19/25 15:14*	*1*

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	284		ug/L		142	43 - 150
Acrolein	500	589		ug/L		118	38 - 150
Acrylonitrile	500	553		ug/L		111	64 - 142
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromobenzene	50.0	53.7		ug/L		107	70 - 132
Bromochloromethane	50.0	50.2		ug/L		100	70 - 130
Bromodichloromethane	50.0	52.4		ug/L		105	67 - 133
Bromoform	50.0	55.4		ug/L		111	57 - 140
Bromomethane	50.0	39.8		ug/L		80	10 - 150
2-Butanone (MEK)	200	236		ug/L		118	61 - 145
Carbon disulfide	50.0	45.0		ug/L		90	61 - 137
Carbon tetrachloride	50.0	50.0		ug/L		100	61 - 137
Chlorobenzene	50.0	51.7		ug/L		103	70 - 130
Chloroethane	50.0	55.5		ug/L		111	55 - 141
2-Chloroethyl vinyl ether	50.0	56.5		ug/L		113	10 - 150

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

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	51.0		ug/L		102	69 - 130
1-Chlorohexane	50.0	61.4		ug/L		123	69 - 130
Chloromethane	50.0	44.6		ug/L		89	58 - 137
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	55.6		ug/L		111	69 - 132
Dibromochloromethane	50.0	54.3		ug/L		109	67 - 135
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	33.7		ug/L		67	41 - 146
1,1-Dichloroethane	50.0	53.6		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	51.8		ug/L		104	69 - 130
1,1-Dichloroethene	50.0	48.7		ug/L		97	63 - 134
1,2-Dichloropropane	50.0	57.3		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	55.2		ug/L		110	70 - 130
2,2-Dichloropropane	50.0	54.4		ug/L		109	52 - 135
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130
Ethyl methacrylate	50.0	54.0		ug/L		108	68 - 130
Hexachlorobutadiene	50.0	51.3		ug/L		103	53 - 140
2-Hexanone	200	263		ug/L		132	65 - 137
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 130
Methylene bromide	50.0	52.6		ug/L		105	70 - 130
Methylene Chloride	50.0	48.7		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	242		ug/L		121	69 - 138
Methyl tert-butyl ether	50.0	51.1		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.6		ug/L		101	70 - 130
Naphthalene	50.0	53.6		ug/L		107	47 - 149
n-Butylbenzene	50.0	53.7		ug/L		107	67 - 130
N-Propylbenzene	50.0	51.7		ug/L		103	70 - 130
o-Chlorotoluene	50.0	52.7		ug/L		105	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
p-Chlorotoluene	50.0	52.0		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	51.9		ug/L		104	65 - 130
sec-Butylbenzene	50.0	52.3		ug/L		105	66 - 130
Styrene	50.0	52.1		ug/L		104	70 - 130
tert-Butylbenzene	50.0	51.1		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.3		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/L		110	70 - 131
Tetrachloroethene	50.0	47.2		ug/L		94	65 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	56.7		ug/L		113	63 - 130
1,2,3-Trichlorobenzene	50.0	55.0		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	52.5		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	49.0		ug/L		98	68 - 130
1,1,2-Trichloroethane	50.0	56.5		ug/L		113	70 - 130
Trichloroethene	50.0	50.2		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	50.6		ug/L		101	65 - 138

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

Lab Sample ID: LCS 400-716612/1002
Matrix: Water
Analysis Batch: 716612

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	49.8		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	50.7		ug/L		101	69 - 130
Vinyl acetate	100	122		ug/L		122	26 - 150
Vinyl chloride	50.0	54.8		ug/L		110	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

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	0.50	ug/L			07/22/25 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 11:53*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/22/25 11:53*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/22/25 11:53*	*1*

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

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	50.2		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: MB 400-716452/6
Matrix: Water
Analysis Batch: 716452

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/18/25 09:10	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/18/25 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/18/25 09:10*	*1*

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

Lab Sample ID: MB 400-716452/6
Matrix: Water
Analysis Batch: 716452

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 150		07/18/25 09:10	1
4-Bromofluorobenzene	105		50 - 150		07/18/25 09:10	1

Lab Sample ID: LCS 400-716452/1004
Matrix: Water
Analysis Batch: 716452

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.415		ug/L		83	50 - 150		
1,2-Dibromoethane			0.500	0.472		ug/L		94	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	94		50 - 150
Toluene-d8 (Surr)	100		50 - 150
4-Bromofluorobenzene	106		50 - 150

Lab Sample ID: MB 400-716688/6
Matrix: Water
Analysis Batch: 716688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/21/25 13:06	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/21/25 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		50 - 150		07/21/25 13:06	1
Toluene-d8 (Surr)	99		50 - 150		07/21/25 13:06	1
4-Bromofluorobenzene	102		50 - 150		07/21/25 13:06	1

Lab Sample ID: LCS 400-716688/1004
Matrix: Water
Analysis Batch: 716688

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.444		ug/L		89	50 - 150		
1,2-Dibromoethane			0.500	0.485		ug/L		97	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	95		50 - 150
Toluene-d8 (Surr)	102		50 - 150
4-Bromofluorobenzene	103		50 - 150

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

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/19/25 19:02	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/19/25 19:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzoic acid	ND		100	80	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/19/25 19:02	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/19/25 19:02	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/19/25 19:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/19/25 19:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/19/25 19:02	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/18/25 07:00	07/19/25 19:02	1

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

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/19/25 19:02	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylphenol	ND		10	0.76	ug/L		07/18/25 07:00	07/19/25 19:02	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/19/25 19:02	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/19/25 19:02	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitrophenol	ND		10	2.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/19/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*43 - 147*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorophenol	*97*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*22 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Phenol-d5	*83*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*28 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.2		ug/L		106	29 - 150
Aniline	33.3	40.9		ug/L		123	10 - 134
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	39.3		ug/L		118	31 - 150
Benzoic acid	214	ND		ug/L		25	10 - 180
Benzo[a]anthracene	33.3	38.8		ug/L		116	36 - 150
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Benzo[a]pyrene	33.3	39.3		ug/L		118	29 - 150
Bis(2-chloroethoxy)methane	33.3	41.2	*+	ug/L		124	34 - 120
Benzo[b]fluoranthene	33.3	42.4		ug/L		127	32 - 150

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

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethyl)ether	33.3	36.4		ug/L		109	32 - 114
Benzo[g,h,i]perylene	33.3	39.0		ug/L		117	28 - 150
bis (2-chloroisopropyl) ether	33.3	35.7		ug/L		107	32 - 115
Benzo[k]fluoranthene	33.3	38.7		ug/L		116	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	44.2		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	36.4		ug/L		109	24 - 120
Chrysene	33.3	36.2		ug/L		109	34 - 150
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140
Dibenz(a,h)anthracene	33.3	38.2		ug/L		115	29 - 150
4-Chloroaniline	33.3	36.9		ug/L		111	10 - 150
Fluoranthene	33.3	37.6		ug/L		113	30 - 150
4-Chloro-3-methylphenol	33.3	41.8		ug/L		125	10 - 137
Fluorene	33.3	37.2		ug/L		111	30 - 150
2-Chloronaphthalene	33.3	33.3		ug/L		100	10 - 150
2-Chlorophenol	33.3	38.7		ug/L		116	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	37.9		ug/L		114	28 - 150
1-Methylnaphthalene	33.3	32.9		ug/L		99	25 - 150
4-Chlorophenyl phenyl ether	33.3	36.8	*+	ug/L		111	31 - 110
2-Methylnaphthalene	33.3	31.6		ug/L		95	24 - 150
Dibenz[a,h]acridine	49.9	52.0		ug/L		104	40 - 150
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	35.3		ug/L		106	10 - 150
Phenanthrene	33.3	37.4		ug/L		112	32 - 150
2,4-Dichlorophenol	33.3	40.0		ug/L		120	30 - 125
Pyrene	33.3	38.2		ug/L		114	30 - 150
Diethyl phthalate	33.3	28.5		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	37.9		ug/L		114	10 - 142
Dimethyl phthalate	33.3	28.5		ug/L		85	24 - 125
Di-n-butyl phthalate	33.3	33.6		ug/L		101	30 - 127
4,6-Dinitro-ortho-cresol	66.7	81.4		ug/L		122	10 - 150
2,4-Dinitrophenol	66.7	84.7		ug/L		127	10 - 150
2,4-Dinitrotoluene	33.3	42.2		ug/L		127	30 - 129
2,6-Dinitrotoluene	33.3	41.4		ug/L		124	34 - 132
Di-n-octyl phthalate	33.3	42.3		ug/L		127	28 - 142
1,4-Dioxane	33.3	39.7		ug/L		119	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.3		ug/L		118	29 - 121
Hexachlorobenzene	33.3	38.2	*+	ug/L		115	29 - 113
Hexachlorocyclopentadiene	33.3	26.0		ug/L		78	10 - 150
Hexachloroethane	33.3	26.1		ug/L		78	10 - 112
Indene	50.0	35.8		ug/L		72	10 - 113
Isophorone	33.3	39.1		ug/L		117	29 - 125
2-Methylphenol	33.3	45.2	*+	ug/L		136	11 - 121
3 & 4 Methylphenol	33.3	48.0		ug/L		144	10 - 150
2-Nitroaniline	33.3	43.2		ug/L		130	31 - 141
3-Nitroaniline	33.3	37.3		ug/L		112	33 - 136
4-Nitroaniline	33.3	42.0		ug/L		126	37 - 139
Nitrobenzene	33.3	37.6		ug/L		113	29 - 129
2-Nitrophenol	33.3	40.3		ug/L		121	31 - 142

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

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitrophenol	66.7	106	*+	ug/L		160	10 - 150
N-Nitrosodimethylamine	33.3	40.2		ug/L		121	10 - 136
N-Nitrosodi-n-propylamine	33.3	38.0		ug/L		114	53 - 134
N-Nitrosodiphenylamine	33.1	38.1		ug/L		115	62 - 132
Pentachlorophenol	66.7	84.4		ug/L		127	14 - 150
Phenol	33.3	47.4		ug/L		142	10 - 150
Pyridine	66.7	58.4		ug/L		88	10 - 150
Quinoline	49.9	48.0		ug/L		96	50 - 150
2,4,5-Trichlorophenol	33.3	39.1		ug/L		117	27 - 136
2,4,6-Trichlorophenol	33.3	40.2		ug/L		121	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*102*		*50 - 150*
Terphenyl-d14	*94*		*43 - 147*
2-Fluorobiphenyl	*89*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*102*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*94*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-716503/49-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	35.3		ug/L		71	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*101*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*91*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	33.3	36.0		ug/L		108	29 - 150	2	40
Aniline	33.3	39.9		ug/L		120	10 - 134	2	40
Acenaphthylene	33.3	37.1		ug/L		111	30 - 150	2	40
Anthracene	33.3	38.2		ug/L		115	31 - 150	3	40
Benzoic acid	214	87.9	J *1	ug/L		41	10 - 180	49	40
Benzo[a]anthracene	33.3	38.9		ug/L		117	36 - 150	0	40

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

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150	0	40
Benzo[a]pyrene	33.3	36.4		ug/L		109	29 - 150	8	40
Bis(2-chloroethoxy)methane	33.3	41.5	*+	ug/L		125	34 - 120	1	40
Benzo[b]fluoranthene	33.3	38.6		ug/L		116	32 - 150	9	40
Bis(2-chloroethyl)ether	33.3	36.7		ug/L		110	32 - 114	1	40
Benzo[g,h,i]perylene	33.3	36.4		ug/L		109	28 - 150	7	40
bis (2-chloroisopropyl) ether	33.3	35.6		ug/L		107	32 - 115	0	40
Benzo[k]fluoranthene	33.3	37.0		ug/L		111	30 - 150	4	40
Bis(2-ethylhexyl) phthalate	33.3	45.2	*+	ug/L		136	24 - 133	2	40
4-Bromophenyl phenyl ether	33.3	36.0		ug/L		108	24 - 120	1	40
Chrysene	33.3	36.6		ug/L		110	34 - 150	1	40
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140	0	40
Dibenz(a,h)anthracene	33.3	35.8		ug/L		107	29 - 150	6	40
4-Chloroaniline	33.3	36.8		ug/L		110	10 - 150	0	40
Fluoranthene	33.3	36.8		ug/L		110	30 - 150	2	40
4-Chloro-3-methylphenol	33.3	42.0		ug/L		126	10 - 137	0	40
Fluorene	33.3	37.8		ug/L		113	30 - 150	2	40
2-Chloronaphthalene	33.3	32.6		ug/L		98	10 - 150	2	40
2-Chlorophenol	33.3	40.4		ug/L		121	28 - 127	4	40
Indeno[1,2,3-cd]pyrene	33.3	35.7		ug/L		107	28 - 150	6	40
1-Methylnaphthalene	33.3	33.3		ug/L		100	25 - 150	1	40
4-Chlorophenyl phenyl ether	33.3	37.1	*+	ug/L		111	31 - 110	1	40
2-Methylnaphthalene	33.3	31.7		ug/L		95	24 - 150	0	40
Dibenz[a,h]acridine	49.9	50.7		ug/L		102	40 - 150	3	40
Dibenzofuran	33.3	36.0		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine	33.3	35.6		ug/L		107	10 - 150	1	40
Phenanthrene	33.3	37.1		ug/L		111	32 - 150	1	40
2,4-Dichlorophenol	33.3	39.3		ug/L		118	30 - 125	2	40
Pyrene	33.3	37.4		ug/L		112	30 - 150	2	40
Diethyl phthalate	33.3	29.0		ug/L		87	31 - 118	2	40
2,4-Dimethylphenol	33.3	38.3		ug/L		115	10 - 142	1	40
Dimethyl phthalate	33.3	28.9		ug/L		87	24 - 125	1	40
Di-n-butyl phthalate	33.3	33.2		ug/L		100	30 - 127	1	40
4,6-Dinitro-ortho-cresol	66.7	83.5		ug/L		125	10 - 150	3	40
2,4-Dinitrophenol	66.7	87.7		ug/L		132	10 - 150	4	40
2,4-Dinitrotoluene	33.3	42.3		ug/L		127	30 - 129	0	40
2,6-Dinitrotoluene	33.3	42.0		ug/L		126	34 - 132	1	40
Di-n-octyl phthalate	33.3	43.4		ug/L		130	28 - 142	3	40
1,4-Dioxane	33.3	41.5		ug/L		124	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.8		ug/L		119	29 - 121	1	40
Hexachlorobenzene	33.3	38.0	*+	ug/L		114	29 - 113	1	40
Hexachlorocyclopentadiene	33.3	28.4		ug/L		85	10 - 150	9	40
Hexachloroethane	33.3	26.5		ug/L		80	10 - 112	1	40
Indene	50.0	35.6		ug/L		71	10 - 113	1	40
Isophorone	33.3	39.4		ug/L		118	29 - 125	1	40
2-Methylphenol	33.3	44.1	*+	ug/L		132	11 - 121	2	40
3 & 4 Methylphenol	33.3	48.6		ug/L		146	10 - 150	1	40
2-Nitroaniline	33.3	44.3		ug/L		133	31 - 141	3	40

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

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Nitroaniline			33.3	38.3		ug/L		115	33 - 136	3	40
4-Nitroaniline			33.3	42.6		ug/L		128	37 - 139	1	40
Nitrobenzene			33.3	37.8		ug/L		113	29 - 129	1	40
2-Nitrophenol			33.3	41.2		ug/L		124	31 - 142	2	40
4-Nitrophenol			66.7	109	*+	ug/L		163	10 - 150	2	40
N-Nitrosodimethylamine			33.3	41.1		ug/L		123	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	40.4		ug/L		121	53 - 134	6	40
N-Nitrosodiphenylamine			33.1	38.5		ug/L		116	62 - 132	1	40
Pentachlorophenol			66.7	84.7		ug/L		127	14 - 150	0	40
Phenol			33.3	47.7		ug/L		143	10 - 150	1	40
Pyridine			66.7	66.7		ug/L		100	10 - 150	13	40
Quinoline			49.9	48.5		ug/L		97	50 - 150	1	40
2,4,5-Trichlorophenol			33.3	40.9		ug/L		123	27 - 136	4	40
2,4,6-Trichlorophenol			33.3	40.7		ug/L		122	21 - 132	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*15 - 150*
Nitrobenzene-d5	*107*		*50 - 150*
Terphenyl-d14	*97*		*43 - 147*
2-Fluorobiphenyl	*92*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*107*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*97*		*28 - 150*
2,4,6-Tribromophenol	*113*		*10 - 150*

Lab Sample ID: LCSD 400-716503/50-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	41.3		ug/L		83	10 - 150	16	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*109*		*22 - 150*
Phenol-d5	*110*		*10 - 150*
Terphenyl-d14	*101*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ GW 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
Melissa Remiger	25278	DATE: 7/14/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.3.2	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 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Travis Jenkins

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071425-8260	7/14/2025	0000	Water	2					2	X			
	TB-ROX-071425-8260SIM	7/14/2025	0000	Water	2					2		X		
	P58-ROX-071425	7/14/2025	10:00	Water	6			4		10	X	X	X	X
	P58-ROX-071425-DUP	7/14/2025	10:00	Water	6			4		10	X	X	X	X
	P93B-ROX-071425	7/14/2025	11:35	Water	6			4		10	X	X	X	X

400-279181 Chain of Custody

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 4234 9605 3172	Date: 7/14/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature) Victoria Barkston	Date: 7/15/25	Time: 1005
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 1681722, 1681723

0.0°C/IRD

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279181-1

Login Number: 279181
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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°C IR10
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
Job ID: 400-279181-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	07-24-25
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-279298-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 9/1/2025

Event Reviewed: 3rd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 9/03/2025

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Chain of Custody and Sample Receipt	Samples received in good condition, consistent with the COC, and within the required temperature range.	X			
The cooler receipt form did not indicate any problems. Three of 70 (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.					
Holding Times	Analyses were performed within holding time.	X			
Surrogate	Surrogate recoveries met acceptance criteria.	X			
Field/Laboratory Duplicate	Laboratory duplicates met laboratory control limits, and field duplicates met the applicable criteria.	X			
Matrix Spike	MS recoveries met acceptance criteria.			X	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-chloroethoxy)methane	**124/125**	1	34-120/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Chlorophenyl phenyl ether	**111/111**	1	31-110/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Hexachlorobenzene	**115/114**	1	29-113/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	2-Methylphenol	**136/132**	2	11-121/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	4-Nitrophenol	**160/163**	2	10-150/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Benzoic acid	25/41	**49**	10-180/40
LCS 400-716503/2-A LCSD 400-716503/3-A	SVOCs	Bis(2-ethylhexyl) phthalate	133/**136**	2	24-133/40

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data reported as non-detect and associated with LCS/LCSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.					
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			
Laboratory Blank	Target analytes were not detected in the laboratory blank.	X			
Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		
Analytes were detected in samples that required dilution with the exception of MW25-ROX-071525 and MW25-ROX-071525-DUP. All VOCs by 8260D SIM from these samples were qualified estimated (UJ).					
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			
Usability	No results qualified as unusable.	X			
Historical	Sample results were within 3 standard deviations from historical mean.		X		

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-071525	SVOCs	2-Methylphenol	J
MW25-ROX-071525	SVOCs	2-Methylphenol	J
MW25-ROX-071525-DUP	SVOCs	2-Methylphenol	J

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Initial Calibration	The initial calibration met the criteria outlined in the associated method. This includes, but is not limited to: • Meeting the minimum standards for average, linear, and non-linear regression • Acceptable relative standard deviation • Acceptable correlation coefficient/correlation criteria			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Tuning/Instrument Performance Checks	A satisfactory tuning event was conducted at the beginning of every 12 hours of sample analysis, or the specified frequency per method, and ion relative abundances were within acceptance limits.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.
Initial Calibration Verification/Continuing Calibration Verification	ICVs/CCVs were analyzed for each analytes at the specified frequency and appropriate concentrations. **Organics** The associated percent difference (%D) was within method criteria. **Inorganics** The ICV and CCV were recovered within the method low-level acceptance range of 70-130% and the medium/high acceptance range of 90-110% as applicable to the method		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

The continuing calibration verifications (CCV) for Trichlorofluoromethane was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table. The initial calibration verifications (ICV) for Pyridine was outside evaluation criteria, biased low.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-071525	VOCs	Trichlorofluoromethane	UJ
MW25-ROX-071525	VOCs	Trichlorofluoromethane	UJ

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW25-ROX-071525-DUP	VOCs	Trichlorofluoromethane			UJ	
MW2-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW24-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW22-ROX-071525	VOCs	Trichlorofluoromethane			UJ	
MW2-ROX-071525	SVOCs	Pyridine			UJ	
MW24-ROX-071525	SVOCs	Pyridine			UJ	
MW22-ROX-071525	SVOCs	Pyridine			UJ	
MW4-ROX-071525	SVOCs	Pyridine			UJ	
MW25-ROX-071525	SVOCs	Pyridine			UJ	
MW25-ROX-071525-DUP	SVOCs	Pyridine			UJ	
Initial and Continuing Calibration Blanks	ICBs/CCBs were analyzed at the specified frequency and no target analytes were present.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Interference Check Standard (Metals Only)	The interference check standard (ICS) AB solutions were analyzed at the proper frequency. The target analytes were recovered within the acceptance range of 85-115% in the ICS AB solution. Interferent elements were not present in the samples at concentrations greater than those in the ICSs.			X		
Internal Standards	The recoveries for the internal standards in field samples were within the applicable acceptance limits.	X				
Second Column/Detector Confirmation Results	The reported results agreed with an RPD ≤40% between the primary and confirmation columns.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Recalculation/Re-quantification	10% of selected samples, batch QC, instrument QC, and the initial calibration were recalculated and appropriate instrument response data was reviewed.			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	
Target Compound Identification	The instrument printouts were reviewed. Results obtained for quality control check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	intensities and mass spectral data agreed with reported concentrations for all samples and agree with the criteria in the analytical method				

[1] A failed condition must be elevated to the PM and project chemist for resolution.
[2] Non-detect results reported at elevated detection limits should be evaluated by the end user of the data with respect to project objectives.

Data is reviewed electronically and confirmed against the PDF. Criteria is evaluated against the most current version of National Functional Guidelines, method requirements, and the project Quality Assurance Project Plan, as applicable.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Melissa Remiger
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 7/30/2025 6:06:17 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-279298-1

Reviewed 8/27/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/30/2025 6:06:17 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-279298-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/16/2025 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 2 coolers at receipt time were 1.0°C and 4.6°C.

GC/MS VOA
Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-716790 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: 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: MW4-ROX-071525 (400-279298-10), MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). 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 8260D: The continuing calibration verification (CCV) associated with batch 400-716940 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW22-ROX-071525 (400-279298-6). Elevated reporting limits (RLs) are provided.

Method 8260D: 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-071525-8260-A (400-279298-1), MW2-ROX-071525-EB (400-279298-3), MW2-ROX-071525 (400-279298-4), MW24-ROX-071525 (400-279298-5), MW22-ROX-071525 (400-279298-6), TB-ROX-071525-8260-B (400-279298-7) and MW4-ROX-071525-EB (400-279298-9). 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 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-071525 (400-279298-10). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM: The following samples were diluted due to the abundance of non-target analytes: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). 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 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-716959 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 400-279298-1 (Continued) Eurofins Pensacola

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane and Hexachlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: 2-Methylphenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Bis(2-chloroethoxy)methane, Bis(2-ethylhexyl) phthalate and Hexachlorobenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-716503 and analytical batch 400-716600 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW4-ROX-071525 (400-279298-10), MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-071525 (400-279298-11) and MW25-ROX-071525-DUP (400-279298-12). 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.

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-279298-1	TB-ROX-071525-8260-A	Water	07/15/25 00:00	07/16/25 09:37
400-279298-2	TB-ROX-071525-8260SIM-A	Water	07/15/25 00:00	07/16/25 09:37
400-279298-3	MW2-ROX-071525-EB	Water	07/15/25 08:35	07/16/25 09:37
400-279298-4	MW2-ROX-071525	Water	07/15/25 10:30	07/16/25 09:37
400-279298-5	MW24-ROX-071525	Water	07/15/25 12:15	07/16/25 09:37
400-279298-6	MW22-ROX-071525	Water	07/15/25 13:35	07/16/25 09:37
400-279298-7	TB-ROX-071525-8260-B	Water	07/15/25 00:00	07/16/25 09:37
400-279298-8	TB-ROX-071525-8260SIM-B	Water	07/15/25 00:00	07/16/25 09:37
400-279298-9	MW4-ROX-071525-EB	Water	07/15/25 07:55	07/16/25 09:37
400-279298-10	MW4-ROX-071525	Water	07/15/25 08:30	07/16/25 09:37
400-279298-11	MW25-ROX-071525	Water	07/15/25 09:20	07/16/25 09:37
400-279298-12	MW25-ROX-071525-DUP	Water	07/15/25 09:20	07/16/25 09:37

Detection Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260-A — Lab Sample ID: 400-279298-1

No Detections.

Client Sample ID: TB-ROX-071525-8260SIM-A — Lab Sample ID: 400-279298-2

No Detections.

Client Sample ID: MW2-ROX-071525-EB — Lab Sample ID: 400-279298-3

No Detections.

Client Sample ID: MW2-ROX-071525 — Lab Sample ID: 400-279298-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20	J	25	10	ug/L	1		8260D	Total/NA
Benzene	0.72	J	1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	13	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	25		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	33		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	14		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	4.3	J	5.0	3.0	ug/L	1		8260D	Total/NA
n-Butylbenzene	2.7		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	52		1.0	0.69	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	3.3		1.0	0.71	ug/L	1		8260D	Total/NA
sec-Butylbenzene	5.8		1.0	0.70	ug/L	1		8260D	Total/NA
Toluene	1.2		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	4.7		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	3.2		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	15		10	6.0	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	4.8		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	3.9		0.20	0.077	ug/L	1		8270E	Total/NA

Client Sample ID: MW24-ROX-071525 — Lab Sample ID: 400-279298-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
N-Propylbenzene	0.90	J	1.0	0.69	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	0.074	J	0.20	0.066	ug/L	1		8270E	Total/NA

Client Sample ID: MW22-ROX-071525 — Lab Sample ID: 400-279298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		5.0	2.5	ug/L	5		8260D	Total/NA
Carbon disulfide	6.9		5.0	2.5	ug/L	5		8260D	Total/NA
Ethylbenzene	240		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	27		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	600		25	15	ug/L	5		8260D	Total/NA
Naphthalene	120		25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	43		5.0	3.5	ug/L	5		8260D	Total/NA
o-Xylene	29		25	15	ug/L	5		8260D	Total/NA
Toluene	42		5.0	4.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	62		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	31		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	630		50	30	ug/L	5		8260D	Total/NA
Aniline	0.78	J	9.9	0.73	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	18		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	26		0.20	0.076	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW22-ROX-071525 (Continued) — Lab Sample ID: 400-279298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	3.5	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	3.6	J	9.9	0.44	ug/L	1		8270E	Total/NA
2-Methylphenol	0.80	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA

Client Sample ID: TB-ROX-071525-8260-B — Lab Sample ID: 400-279298-7

No Detections.

Client Sample ID: TB-ROX-071525-8260SIM-B — Lab Sample ID: 400-279298-8

No Detections.

Client Sample ID: MW4-ROX-071525-EB — Lab Sample ID: 400-279298-9

No Detections.

Client Sample ID: MW4-ROX-071525 — Lab Sample ID: 400-279298-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.23	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzene - DL	7500		50	25	ug/L	50		8260D	Total/NA
Phenol - DL	110		99	6.7	ug/L	10		8270E	Total/NA

Client Sample ID: MW25-ROX-071525 — Lab Sample ID: 400-279298-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	410000		2000	1000	ug/L	2000		8260D	Total/NA
Acenaphthene	0.17	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.19	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	8.7		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	8.1		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	8.9	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.6	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	3.7	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	120		99	23	ug/L	5		8270E	Total/NA
Phenol - DL2	250		200	13	ug/L	20		8270E	Total/NA

Client Sample ID: MW25-ROX-071525-DUP — Lab Sample ID: 400-279298-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	400000		2000	1000	ug/L	2000		8260D	Total/NA
Acenaphthene	0.14	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.16	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	7.8		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	7.2		0.20	0.076	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	9.2	J	9.9	0.24	ug/L	1		8270E	Total/NA
Indene	1.5	J	9.9	0.43	ug/L	1		8270E	Total/NA
2-Methylphenol	3.8	J *+ J	9.9	0.75	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol - DL	120		99	23	ug/L	5		8270E	Total/NA
Phenol - DL2	260		200	13	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-A
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 15:32	1
Acrolein	ND		20	3.3	ug/L			07/23/25 15:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 15:32	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 15:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 15:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 15:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 15:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 15:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 15:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 15:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 15:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 15:32	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 15:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 15:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 15:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 15:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 15:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 15:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 15:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 15:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 15:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 15:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 15:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 15:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 15:32	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 15:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 15:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 15:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 15:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 15:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 15:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 15:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 15:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 15:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 15:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-A
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 15:32	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 15:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 15:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 15:32	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 15:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 15:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 15:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 15:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 15:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 15:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 15:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 15:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 15:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 15:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 15:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*56 - 136*		*07/23/25 15:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 15:32*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/23/25 15:32*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-071525-8260SIM-A
Lab Sample ID: 400-279298-2
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 17:33	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/17/25 17:33*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/17/25 17:33*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/17/25 17:33*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525-EB

Date Collected: 07/15/25 08:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 17:56	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*50 - 150*		*07/17/25 17:56*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/17/25 17:56*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 17:56*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 15:53	1
Acrolein	ND		20	3.3	ug/L			07/23/25 15:53	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 15:53	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 15:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 15:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 15:53	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 15:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 15:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 15:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 15:53	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 15:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 15:53	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 15:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 15:53	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 15:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 15:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 15:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 15:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 15:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 15:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 15:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 15:53	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 15:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 15:53	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 15:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 15:53	1

Client Sample ID: MW2-ROX-071525-EB
Date Collected: 07/15/25 08:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 15:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 15:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 15:53	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 15:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 15:53	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 15:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 15:53	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 15:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 15:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 15:53	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 15:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 15:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 15:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 15:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 15:53	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 15:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 15:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 15:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 15:53	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 15:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 15:53	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 15:53*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*07/23/25 15:53*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/23/25 15:53*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 17:17	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 17:17	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:17	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:17	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525-EB
Date Collected: 07/15/25 08:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 17:17	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:17	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 17:17	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 17:17	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 17:17	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:17	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:17	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 17:17	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 17:17	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 17:17	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 17:17	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 17:17	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 17:17	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 17:17	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 17:17	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 17:17	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 17:17	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 17:17	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 17:17	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 17:17	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:17	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 17:17	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 17:17	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 17:17	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 17:17	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 17:17	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 17:17	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/23/25 17:17	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 17:17	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Terphenyl-d14	*84*		*43 - 147*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2-Fluorobiphenyl	*82*		*25 - 139*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2-Fluorophenol	*107*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Nitrobenzene-d5	*96*		*22 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Phenol-d5	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
Terphenyl-d14	*84*		*28 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*
2,4,6-Tribromophenol	*108*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:17*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 18:19	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/17/25 18:19*	*1*
Toluene-d8 (Surr)	*107*		*50 - 150*		*07/17/25 18:19*	*1*
4-Bromofluorobenzene	*114*		*50 - 150*		*07/17/25 18:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**	**J**	25	10	ug/L			07/23/25 16:13	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:13	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:13	1
Benzene	**0.72**	**J**	1.0	0.50	ug/L			07/23/25 16:13	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:13	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:13	1
2-Butanone (MEK)	**13**	**J**	25	2.6	ug/L			07/23/25 16:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:13	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:13	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:13	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:13	1
Ethylbenzene	**25**		1.0	0.50	ug/L			07/23/25 16:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:13	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:13	1
Isopropylbenzene	**33**		1.0	0.53	ug/L			07/23/25 16:13	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:13	1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:13	1
m-Xylene & p-Xylene	**14**		5.0	3.0	ug/L			07/23/25 16:13	1
Naphthalene	**4.3**	**J**	5.0	3.0	ug/L			07/23/25 16:13	1
n-Butylbenzene	**2.7**		1.0	0.76	ug/L			07/23/25 16:13	1
N-Propylbenzene	**52**		1.0	0.69	ug/L			07/23/25 16:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:13	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:13	1
p-Isopropyltoluene	**3.3**		1.0	0.71	ug/L			07/23/25 16:13	1
sec-Butylbenzene	**5.8**		1.0	0.70	ug/L			07/23/25 16:13	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:13	1
Toluene	**1.2**		1.0	0.90	ug/L			07/23/25 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:13	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:13	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/23/25 16:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:13	1
1,2,4-Trimethylbenzene	**4.7**		1.0	0.82	ug/L			07/23/25 16:13	1
1,3,5-Trimethylbenzene	**3.2**		1.0	0.56	ug/L			07/23/25 16:13	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:13	1
Xylenes, Total	**15**		10	6.0	ug/L			07/23/25 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*07/23/25 16:13*	*1*
Dibromofluoromethane	*96*		*79 - 130*		*07/23/25 16:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*07/23/25 16:13*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 17:54	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 17:54	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:54	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:54	1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 17:54	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:54	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 17:54	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 17:54	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 17:54	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 17:54	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 17:54	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 17:54	1
1-Methylnaphthalene	**4.8**		0.20	0.066	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Methylnaphthalene	**3.9**		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 17:54	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 17:54	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 17:54	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 17:54	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 17:54	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 17:54	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 17:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 17:54	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 17:54	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 17:54	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 17:54	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 17:54	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 17:54	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 17:54	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 17:54	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 17:54	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 17:54	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW2-ROX-071525
Date Collected: 07/15/25 10:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 17:54	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 17:54	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 17:54	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 17:54	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 17:54	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Nitrobenzene-d5	*97*		*50 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2-Fluorobiphenyl	*79*		*25 - 139*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Nitrobenzene-d5	*97*		*22 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Phenol-d5	*94*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 17:54*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW24-ROX-071525

Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 18:43	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/17/25 18:43*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/17/25 18:43*	*1*
4-Bromofluorobenzene	*102*		*50 - 150*		*07/17/25 18:43*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 16:34	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:34	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:34	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:34	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 16:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:34	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:34	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:34	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:34	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:34	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:34	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:34	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:34	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 16:34	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:34	1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 16:34	1
N-Propylbenzene	**0.90**	**J**	1.0	0.69	ug/L			07/23/25 16:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:34	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 16:34	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 16:34	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:34	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 16:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:34	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:34	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:34	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:34	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:34	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/23/25 16:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 16:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 16:34	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:34	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/23/25 16:34*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 16:34*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*07/23/25 16:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/23/25 18:30	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/23/25 18:30	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 18:30	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzoic acid	ND	*1	100	80	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-chloroethoxy)methane	ND	*+	10	0.34	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 18:30	1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/23/25 18:30	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 18:30	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 18:30	1
Bis(2-ethylhexyl) phthalate	ND	*+	10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/23/25 18:30	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 18:30	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/23/25 18:30	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/23/25 18:30	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/23/25 18:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 18:30	1
1-Methylnaphthalene	**0.074**	**J**	0.20	0.066	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Chlorophenyl phenyl ether	ND	*+	10	0.24	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/23/25 18:30	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 18:30	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/23/25 18:30	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/23/25 18:30	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/23/25 18:30	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/23/25 18:30	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/23/25 18:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachlorobenzene	ND	*+	10	0.25	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 18:30	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/23/25 18:30	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/23/25 18:30	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Methylphenol	ND	*+	10	0.76	ug/L		07/18/25 07:00	07/23/25 18:30	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/23/25 18:30	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/23/25 18:30	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/23/25 18:30	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/23/25 18:30	1
4-Nitrophenol	ND	*+	10	2.7	ug/L		07/18/25 07:00	07/23/25 18:30	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/23/25 18:30	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW24-ROX-071525
Date Collected: 07/15/25 12:15
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/23/25 18:30	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/23/25 18:30	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/23/25 18:30	1
Pyridine	ND	UJ	10	3.0	ug/L		07/18/25 07:00	07/23/25 18:30	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/23/25 18:30	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/23/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2-Fluorophenol	*96*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Nitrobenzene-d5	*92*		*22 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Phenol-d5	*91*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*07/18/25 07:00*	*07/23/25 18:30*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW22-ROX-071525

Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:06	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*50 - 150*		*07/17/25 19:06*	*1*
Toluene-d8 (Surr)	*101*		*50 - 150*		*07/17/25 19:06*	*1*
4-Bromofluorobenzene	*115*		*50 - 150*		*07/17/25 19:06*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			07/23/25 18:18	5
Acrolein	ND		100	17	ug/L			07/23/25 18:18	5
Acrylonitrile	ND		50	14	ug/L			07/23/25 18:18	5
Benzene	**21**		5.0	2.5	ug/L			07/23/25 18:18	5
Bromobenzene	ND		5.0	2.7	ug/L			07/23/25 18:18	5
Bromochloromethane	ND		5.0	2.6	ug/L			07/23/25 18:18	5
Bromodichloromethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Bromoform	ND		25	1.3	ug/L			07/23/25 18:18	5
Bromomethane	ND		5.0	4.9	ug/L			07/23/25 18:18	5
2-Butanone (MEK)	ND		130	13	ug/L			07/23/25 18:18	5
Carbon disulfide	**6.9**		5.0	2.5	ug/L			07/23/25 18:18	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			07/23/25 18:18	5
Chlorobenzene	ND		5.0	2.1	ug/L			07/23/25 18:18	5
Chloroethane	ND		5.0	3.8	ug/L			07/23/25 18:18	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			07/23/25 18:18	5
Chloroform	ND		5.0	4.5	ug/L			07/23/25 18:18	5
1-Chlorohexane	ND		5.0	1.6	ug/L			07/23/25 18:18	5
Chloromethane	ND		5.0	2.0	ug/L			07/23/25 18:18	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			07/23/25 18:18	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			07/23/25 18:18	5
Dibromochloromethane	ND		5.0	1.2	ug/L			07/23/25 18:18	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			07/23/25 18:18	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			07/23/25 18:18	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			07/23/25 18:18	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			07/23/25 18:18	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			07/23/25 18:18	5
Ethylbenzene	**240**		5.0	2.5	ug/L			07/23/25 18:18	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			07/23/25 18:18	5
Hexachlorobutadiene	ND		25	4.5	ug/L			07/23/25 18:18	5
2-Hexanone	ND		130	21	ug/L			07/23/25 18:18	5
Isopropylbenzene	**27**		5.0	2.7	ug/L			07/23/25 18:18	5
Methylene bromide	ND		25	1.1	ug/L			07/23/25 18:18	5
Methylene Chloride	ND		25	15	ug/L			07/23/25 18:18	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			07/23/25 18:18	5

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			07/23/25 18:18	5
m-Xylene & p-Xylene	**600**		25	15	ug/L			07/23/25 18:18	5
Naphthalene	**120**		25	15	ug/L			07/23/25 18:18	5
n-Butylbenzene	ND		5.0	3.8	ug/L			07/23/25 18:18	5
N-Propylbenzene	**43**		5.0	3.5	ug/L			07/23/25 18:18	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			07/23/25 18:18	5
o-Xylene	**29**		25	15	ug/L			07/23/25 18:18	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			07/23/25 18:18	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			07/23/25 18:18	5
sec-Butylbenzene	ND		5.0	3.5	ug/L			07/23/25 18:18	5
Styrene	ND		5.0	5.0	ug/L			07/23/25 18:18	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			07/23/25 18:18	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			07/23/25 18:18	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Tetrachloroethene	ND		5.0	1.7	ug/L			07/23/25 18:18	5
Toluene	**42**		5.0	4.5	ug/L			07/23/25 18:18	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			07/23/25 18:18	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			07/23/25 18:18	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			07/23/25 18:18	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			07/23/25 18:18	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			07/23/25 18:18	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			07/23/25 18:18	5
Trichloroethene	ND		5.0	0.75	ug/L			07/23/25 18:18	5
Trichlorofluoromethane	ND	UJ	5.0	1.3	ug/L			07/23/25 18:18	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			07/23/25 18:18	5
1,2,4-Trimethylbenzene	**62**		5.0	4.1	ug/L			07/23/25 18:18	5
1,3,5-Trimethylbenzene	**31**		5.0	2.8	ug/L			07/23/25 18:18	5
Vinyl acetate	ND		130	4.7	ug/L			07/23/25 18:18	5
Vinyl chloride	ND		5.0	2.5	ug/L			07/23/25 18:18	5
Xylenes, Total	**630**		50	30	ug/L			07/23/25 18:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*07/23/25 18:18*	*5*
Dibromofluoromethane	*96*		*79 - 130*		*07/23/25 18:18*	*5*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/23/25 18:18*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 19:07	1
Aniline	**0.78**	**J**	9.9	0.73	ug/L		07/18/25 07:00	07/23/25 19:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 19:07	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 19:07	1

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 19:07	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 19:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/23/25 19:07	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 19:07	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:07	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 19:07	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 19:07	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 19:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 19:07	1
1-Methylnaphthalene	**18**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Methylnaphthalene	**26**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 19:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/23/25 19:07	1
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 19:07	1
Diethyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dimethylphenol	**3.5**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 19:07	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 19:07	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 19:07	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
1,4-Dioxane	ND		9.9	4.3	ug/L		07/18/25 07:00	07/23/25 19:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 19:07	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 19:07	1
Indene	**3.6**	**J**	9.9	0.44	ug/L		07/18/25 07:00	07/23/25 19:07	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Methylphenol	**0.80**	**J *+** J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 19:07	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 19:07	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 19:07	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 19:07	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 19:07	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 19:07	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 19:07	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW22-ROX-071525
Date Collected: 07/15/25 13:35
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 19:07	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 19:07	1
Phenol	ND		9.9	0.67	ug/L		07/18/25 07:00	07/23/25 19:07	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 19:07	1
Quinoline	ND		9.9	0.50	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 19:07	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2-Fluorobiphenyl	*76*		*25 - 139*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2-Fluorophenol	*99*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Nitrobenzene-d5	*94*		*22 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Phenol-d5	*94*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*
2,4,6-Tribromophenol	*106*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:07*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-B
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 16:55	1
Acrolein	ND		20	3.3	ug/L			07/23/25 16:55	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 16:55	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 16:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 16:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 16:55	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 16:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 16:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 16:55	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 16:55	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 16:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 16:55	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 16:55	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 16:55	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 16:55	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 16:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 16:55	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 16:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 16:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 16:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 16:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 16:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 16:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 16:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 16:55	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 16:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 16:55	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 16:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 16:55	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 16:55	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 16:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 16:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 16:55	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 16:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 16:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 16:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260-B
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 16:55	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 16:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 16:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 16:55	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 16:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 16:55	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 16:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 16:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 16:55	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 16:55	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 16:55	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 16:55	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 16:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 16:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 16:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 16:55	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 16:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 16:55	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*07/23/25 16:55*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/23/25 16:55*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/23/25 16:55*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: TB-ROX-071525-8260SIM-B
Date Collected: 07/15/25 00:00
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-8
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:30	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/17/25 19:30*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/17/25 19:30*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 19:30*	*1*

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 19:53	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*50 - 150*		*07/17/25 19:53*	*1*
Toluene-d8 (Surr)	*97*		*50 - 150*		*07/17/25 19:53*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 19:53*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/23/25 17:16	1
Acrolein	ND		20	3.3	ug/L			07/23/25 17:16	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 17:16	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 17:16	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 17:16	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 17:16	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 17:16	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 17:16	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 17:16	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 17:16	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 17:16	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 17:16	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 17:16	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 17:16	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 17:16	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 17:16	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 17:16	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 17:16	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 17:16	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 17:16	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 17:16	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 17:16	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/23/25 17:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 17:16	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 17:16	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 17:16	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 17:16	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 17:16	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 17:16	1

Client Sample ID: MW4-ROX-071525-EB
Date Collected: 07/15/25 07:55
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 17:16	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 17:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 17:16	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 17:16	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 17:16	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 17:16	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 17:16	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 17:16	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 17:16	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 17:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 17:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 17:16	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 17:16	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 17:16	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 17:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 17:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 17:16	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 17:16	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 17:16	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 17:16	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 17:16	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 17:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 17:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 17:16	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 17:16	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 17:16	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 17:16*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 17:16*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/23/25 17:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 19:43	1
Aniline	ND		9.8	0.73	ug/L		07/18/25 07:00	07/23/25 19:43	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzenethiol	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 19:43	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzoic acid	ND	*1	98	79	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzyl alcohol	ND		34	30	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-chloroethoxy)methane	ND	*+	9.8	0.33	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 19:43	1

Client Sample ID: MW4-ROX-071525-EB
Date Collected: 07/15/25 07:55
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 19:43	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 19:43	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 19:43	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		07/18/25 07:00	07/23/25 19:43	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 19:43	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chloroaniline	ND		9.8	0.57	ug/L		07/18/25 07:00	07/23/25 19:43	1
Fluoranthene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		07/18/25 07:00	07/23/25 19:43	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Chlorophenol	ND		9.8	0.83	ug/L		07/18/25 07:00	07/23/25 19:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		07/18/25 07:00	07/23/25 19:43	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Chlorophenyl phenyl ether	ND	*+	9.8	0.24	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dibenzofuran	ND		9.8	0.63	ug/L		07/18/25 07:00	07/23/25 19:43	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 19:43	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pyrene	ND		0.20	0.093	ug/L		07/18/25 07:00	07/23/25 19:43	1
Diethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		07/18/25 07:00	07/23/25 19:43	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
Di-n-butyl phthalate	ND		9.8	8.1	ug/L		07/18/25 07:00	07/23/25 19:43	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		07/18/25 07:00	07/23/25 19:43	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		07/18/25 07:00	07/23/25 19:43	1
1,4-Dioxane	ND		9.8	4.2	ug/L		07/18/25 07:00	07/23/25 19:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachlorobenzene	ND	*+	9.8	0.25	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		07/18/25 07:00	07/23/25 19:43	1
Hexachloroethane	ND		9.8	0.52	ug/L		07/18/25 07:00	07/23/25 19:43	1
Indene	ND		9.8	0.43	ug/L		07/18/25 07:00	07/23/25 19:43	1
Isophorone	ND		9.8	0.79	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Methylphenol	ND	*+	9.8	0.75	ug/L		07/18/25 07:00	07/23/25 19:43	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Nitroaniline	ND		9.8	1.3	ug/L		07/18/25 07:00	07/23/25 19:43	1
3-Nitroaniline	ND		9.8	0.93	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Nitroaniline	ND		9.8	3.4	ug/L		07/18/25 07:00	07/23/25 19:43	1
Nitrobenzene	ND		9.8	0.59	ug/L		07/18/25 07:00	07/23/25 19:43	1
2-Nitrophenol	ND		9.8	1.2	ug/L		07/18/25 07:00	07/23/25 19:43	1
4-Nitrophenol	ND	*+	9.8	2.7	ug/L		07/18/25 07:00	07/23/25 19:43	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		07/18/25 07:00	07/23/25 19:43	1

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 09:37

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		07/18/25 07:00	07/23/25 19:43	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pentachlorophenol	ND		9.8	2.8	ug/L		07/18/25 07:00	07/23/25 19:43	1
Phenol	ND		9.8	0.67	ug/L		07/18/25 07:00	07/23/25 19:43	1
Pyridine	ND		9.8	3.0	ug/L		07/18/25 07:00	07/23/25 19:43	1
Quinoline	ND		9.8	0.49	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		07/18/25 07:00	07/23/25 19:43	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		07/18/25 07:00	07/23/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Terphenyl-d14	*87*		*43 - 147*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2-Fluorobiphenyl	*82*		*25 - 139*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2-Fluorophenol	*106*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Nitrobenzene-d5	*100*		*22 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Phenol-d5	*99*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
Terphenyl-d14	*87*		*28 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*
2,4,6-Tribromophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 19:43*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW4-ROX-071525

Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 20:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*50 - 150*		*07/17/25 20:17*	*1*
Toluene-d8 (Surr)	*96*		*50 - 150*		*07/17/25 20:17*	*1*
4-Bromofluorobenzene	*105*		*50 - 150*		*07/17/25 20:17*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			07/22/25 19:19	1
Acrolein	ND		20	3.3	ug/L			07/22/25 19:19	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/25 19:19	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/25 19:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/25 19:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Bromoform	ND		5.0	0.25	ug/L			07/22/25 19:19	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/25 19:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/25 19:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/22/25 19:19	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/22/25 19:19	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/25 19:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/25 19:19	1
Chloroform	ND		1.0	0.90	ug/L			07/22/25 19:19	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/22/25 19:19	1
Chloromethane	ND		1.0	0.40	ug/L			07/22/25 19:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/22/25 19:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/25 19:19	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/22/25 19:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/25 19:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/25 19:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/25 19:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/22/25 19:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/22/25 19:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/25 19:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/25 19:19	1
2-Hexanone	ND		25	4.3	ug/L			07/22/25 19:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/25 19:19	1
Methylene bromide	ND		5.0	0.22	ug/L			07/22/25 19:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/25 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/25 19:19	1
Methyl tert-butyl ether	**0.23**	**J**	1.0	0.22	ug/L			07/22/25 19:19	1

Client Sample ID: MW4-ROX-071525

Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
Naphthalene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/25 19:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/25 19:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/25 19:19	1
o-Xylene	ND		5.0	3.0	ug/L			07/22/25 19:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/25 19:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/22/25 19:19	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/25 19:19	1
Styrene	ND		1.0	1.0	ug/L			07/22/25 19:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/25 19:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/22/25 19:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/22/25 19:19	1
Toluene	ND		1.0	0.90	ug/L			07/22/25 19:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 19:19	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/22/25 19:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/22/25 19:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/25 19:19	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/22/25 19:19	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/22/25 19:19	1
Trichloroethene	ND		1.0	0.15	ug/L			07/22/25 19:19	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			07/22/25 19:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/25 19:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/25 19:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/25 19:19	1
Vinyl acetate	ND		25	0.93	ug/L			07/22/25 19:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/25 19:19	1
Xylenes, Total	ND		10	6.0	ug/L			07/22/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/22/25 19:19*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*07/22/25 19:19*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 19:19*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7500**		50	25	ug/L			07/25/25 19:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/25/25 19:27*	*50*
Dibromofluoromethane	*100*		*79 - 130*		*07/25/25 19:27*	*50*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/25/25 19:27*	*50*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		07/18/25 07:00	07/23/25 20:19	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 20:19	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:19	1

Client Sample ID: MW4-ROX-071525
Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 20:19	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:19	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:19	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 20:19	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 20:19	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 20:19	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:19	1
Fluorene	ND		0.20	0.086	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 20:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:19	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 20:19	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 20:19	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 20:19	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:19	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 20:19	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 20:19	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:19	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 20:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 20:19	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 20:19	1
Indene	ND		9.9	0.43	ug/L		07/18/25 07:00	07/23/25 20:19	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Methylphenol	ND	*+	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 20:19	1

Client Sample ID: MW4-ROX-071525
Date Collected: 07/15/25 08:30
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	4.5	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 20:19	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 20:19	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:19	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 20:19	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 20:19	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 20:19	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 20:19	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 20:19	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Terphenyl-d14	*58*		*43 - 147*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2-Fluorobiphenyl	*81*		*25 - 139*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2-Fluorophenol	*105*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Phenol-d5	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
Terphenyl-d14	*58*		*28 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**110**		99	6.7	ug/L		07/18/25 07:00	07/24/25 17:15	10

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.50	0.40	ug/L			07/23/25 12:17	25
1,2-Dibromoethane	ND	UJ	0.50	0.25	ug/L			07/23/25 12:17	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/23/25 12:17*	*25*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/23/25 12:17*	*25*
4-Bromofluorobenzene	*100*		*50 - 150*		*07/23/25 12:17*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			07/22/25 20:00	2000
Acrolein	ND		40000	6600	ug/L			07/22/25 20:00	2000
Acrylonitrile	ND		20000	5600	ug/L			07/22/25 20:00	2000
Benzene	**410000**		2000	1000	ug/L			07/22/25 20:00	2000
Bromobenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Bromochloromethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Bromoform	ND		10000	500	ug/L			07/22/25 20:00	2000
Bromomethane	ND		2000	2000	ug/L			07/22/25 20:00	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/22/25 20:00	2000
Carbon disulfide	ND		2000	1000	ug/L			07/22/25 20:00	2000
Carbon tetrachloride	ND		2000	380	ug/L			07/22/25 20:00	2000
Chlorobenzene	ND		2000	840	ug/L			07/22/25 20:00	2000
Chloroethane	ND		2000	1500	ug/L			07/22/25 20:00	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			07/22/25 20:00	2000
Chloroform	ND		2000	1800	ug/L			07/22/25 20:00	2000
1-Chlorohexane	ND		2000	640	ug/L			07/22/25 20:00	2000
Chloromethane	ND		2000	800	ug/L			07/22/25 20:00	2000
cis-1,2-Dichloroethene	ND		2000	400	ug/L			07/22/25 20:00	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/22/25 20:00	2000
Dibromochloromethane	ND		2000	480	ug/L			07/22/25 20:00	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/22/25 20:00	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/22/25 20:00	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,2-Dichloroethane	ND		2000	1100	ug/L			07/22/25 20:00	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:00	2000
1,1-Dichloropropene	ND		2000	180	ug/L			07/22/25 20:00	2000
Ethylbenzene	ND		2000	1000	ug/L			07/22/25 20:00	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/22/25 20:00	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/22/25 20:00	2000
2-Hexanone	ND		50000	8500	ug/L			07/22/25 20:00	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Methylene bromide	ND		10000	440	ug/L			07/22/25 20:00	2000
Methylene Chloride	ND		10000	6000	ug/L			07/22/25 20:00	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/22/25 20:00	2000

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2000	440	ug/L			07/22/25 20:00	2000
m-Xylene & p-Xylene	ND		10000	6000	ug/L			07/22/25 20:00	2000
Naphthalene	ND		10000	6000	ug/L			07/22/25 20:00	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/22/25 20:00	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/22/25 20:00	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:00	2000
o-Xylene	ND		10000	6000	ug/L			07/22/25 20:00	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:00	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/22/25 20:00	2000
sec-Butylbenzene	ND		2000	1400	ug/L			07/22/25 20:00	2000
Styrene	ND		2000	2000	ug/L			07/22/25 20:00	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/22/25 20:00	2000
1,1,1,2-Tetrachloroethane	ND		2000	760	ug/L			07/22/25 20:00	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/22/25 20:00	2000
Tetrachloroethene	ND		2000	660	ug/L			07/22/25 20:00	2000
Toluene	ND		2000	1800	ug/L			07/22/25 20:00	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:00	2000
trans-1,3-Dichloropropene	ND		10000	400	ug/L			07/22/25 20:00	2000
1,2,3-Trichlorobenzene	ND		2000	1800	ug/L			07/22/25 20:00	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/22/25 20:00	2000
1,1,1-Trichloroethane	ND		2000	360	ug/L			07/22/25 20:00	2000
1,1,2-Trichloroethane	ND		10000	420	ug/L			07/22/25 20:00	2000
Trichloroethene	ND		2000	300	ug/L			07/22/25 20:00	2000
Trichlorofluoromethane	ND	UJ	2000	500	ug/L			07/22/25 20:00	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/22/25 20:00	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/22/25 20:00	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/22/25 20:00	2000
Vinyl acetate	ND		50000	1900	ug/L			07/22/25 20:00	2000
Vinyl chloride	ND		2000	1000	ug/L			07/22/25 20:00	2000
Xylenes, Total	ND		20000	12000	ug/L			07/22/25 20:00	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 20:00*	*2000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 20:00*	*2000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 20:00*	*2000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.17**	**J**	0.20	0.084	ug/L		07/18/25 07:00	07/23/25 20:56	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 20:56	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:56	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:56	1

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 20:56	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:56	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 20:56	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 20:56	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 20:56	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 20:56	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 20:56	1
Fluorene	**0.19**	**J**	0.20	0.086	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 20:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 20:56	1
1-Methylnaphthalene	**8.7**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Methylnaphthalene	**8.1**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 20:56	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 20:56	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 20:56	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dimethylphenol	**8.9**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 20:56	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 20:56	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 20:56	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 20:56	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 20:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 20:56	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 20:56	1
Indene	**1.6**	**J**	9.9	0.43	ug/L		07/18/25 07:00	07/23/25 20:56	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Methylphenol	**3.7**	**J** *+ J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 20:56	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 20:56	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 20:56	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 20:56	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 20:56	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 20:56	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 20:56	1

Client Sample ID: MW25-ROX-071525
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-11
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 20:56	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 20:56	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 20:56	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Nitrobenzene-d5	*98*		*50 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Terphenyl-d14	*60*		*43 - 147*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2-Fluorobiphenyl	*77*		*25 - 139*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2-Fluorophenol	*98*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Nitrobenzene-d5	*98*		*22 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Phenol-d5	*95*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
Terphenyl-d14	*60*		*28 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/23/25 20:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**120**		99	23	ug/L		07/18/25 07:00	07/25/25 12:53	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**250**		200	13	ug/L		07/18/25 07:00	07/24/25 17:52	20

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525-DUP

Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.50	0.40	ug/L			07/23/25 12:40	25
1,2-Dibromoethane	ND	UJ	0.50	0.25	ug/L			07/23/25 12:40	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*93*		*50 - 150*		*07/23/25 12:40*	*25*
Toluene-d8 (Surr)	*99*		*50 - 150*		*07/23/25 12:40*	*25*
4-Bromofluorobenzene	*101*		*50 - 150*		*07/23/25 12:40*	*25*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			07/22/25 20:21	2000
Acrolein	ND		40000	6600	ug/L			07/22/25 20:21	2000
Acrylonitrile	ND		20000	5600	ug/L			07/22/25 20:21	2000
Benzene	**400000**		2000	1000	ug/L			07/22/25 20:21	2000
Bromobenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Bromochloromethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Bromodichloromethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Bromoform	ND		10000	500	ug/L			07/22/25 20:21	2000
Bromomethane	ND		2000	2000	ug/L			07/22/25 20:21	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			07/22/25 20:21	2000
Carbon disulfide	ND		2000	1000	ug/L			07/22/25 20:21	2000
Carbon tetrachloride	ND		2000	380	ug/L			07/22/25 20:21	2000
Chlorobenzene	ND		2000	840	ug/L			07/22/25 20:21	2000
Chloroethane	ND		2000	1500	ug/L			07/22/25 20:21	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			07/22/25 20:21	2000
Chloroform	ND		2000	1800	ug/L			07/22/25 20:21	2000
1-Chlorohexane	ND		2000	640	ug/L			07/22/25 20:21	2000
Chloromethane	ND		2000	800	ug/L			07/22/25 20:21	2000
cis-1,2-Dichloroethene	ND		2000	400	ug/L			07/22/25 20:21	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			07/22/25 20:21	2000
Dibromochloromethane	ND		2000	480	ug/L			07/22/25 20:21	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			07/22/25 20:21	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			07/22/25 20:21	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,2-Dichloroethane	ND		2000	1100	ug/L			07/22/25 20:21	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			07/22/25 20:21	2000
1,1-Dichloropropene	ND		2000	180	ug/L			07/22/25 20:21	2000
Ethylbenzene	ND		2000	1000	ug/L			07/22/25 20:21	2000
Ethyl methacrylate	ND		2000	1200	ug/L			07/22/25 20:21	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			07/22/25 20:21	2000
2-Hexanone	ND		50000	8500	ug/L			07/22/25 20:21	2000
Isopropylbenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Methylene bromide	ND		10000	440	ug/L			07/22/25 20:21	2000
Methylene Chloride	ND		10000	6000	ug/L			07/22/25 20:21	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			07/22/25 20:21	2000

Client Sample ID: MW25-ROX-071525-DUP
Date Collected: 07/15/25 09:20
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Lab Sample ID: 400-279298-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2000	440	ug/L			07/22/25 20:21	2000
m-Xylene & p-Xylene	ND		10000	6000	ug/L			07/22/25 20:21	2000
Naphthalene	ND		10000	6000	ug/L			07/22/25 20:21	2000
n-Butylbenzene	ND		2000	1500	ug/L			07/22/25 20:21	2000
N-Propylbenzene	ND		2000	1400	ug/L			07/22/25 20:21	2000
o-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:21	2000
o-Xylene	ND		10000	6000	ug/L			07/22/25 20:21	2000
p-Chlorotoluene	ND		2000	1100	ug/L			07/22/25 20:21	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			07/22/25 20:21	2000
sec-Butylbenzene	ND		2000	1400	ug/L			07/22/25 20:21	2000
Styrene	ND		2000	2000	ug/L			07/22/25 20:21	2000
tert-Butylbenzene	ND		2000	1300	ug/L			07/22/25 20:21	2000
1,1,1,2-Tetrachloroethane	ND		2000	760	ug/L			07/22/25 20:21	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			07/22/25 20:21	2000
Tetrachloroethene	ND		2000	660	ug/L			07/22/25 20:21	2000
Toluene	ND		2000	1800	ug/L			07/22/25 20:21	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			07/22/25 20:21	2000
trans-1,3-Dichloropropene	ND		10000	400	ug/L			07/22/25 20:21	2000
1,2,3-Trichlorobenzene	ND		2000	1800	ug/L			07/22/25 20:21	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			07/22/25 20:21	2000
1,1,1-Trichloroethane	ND		2000	360	ug/L			07/22/25 20:21	2000
1,1,2-Trichloroethane	ND		10000	420	ug/L			07/22/25 20:21	2000
Trichloroethene	ND		2000	300	ug/L			07/22/25 20:21	2000
Trichlorofluoromethane	ND	UJ	2000	500	ug/L			07/22/25 20:21	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			07/22/25 20:21	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			07/22/25 20:21	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			07/22/25 20:21	2000
Vinyl acetate	ND		50000	1900	ug/L			07/22/25 20:21	2000
Vinyl chloride	ND		2000	1000	ug/L			07/22/25 20:21	2000
Xylenes, Total	ND		20000	12000	ug/L			07/22/25 20:21	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 20:21*	*2000*
Dibromofluoromethane	*102*		*79 - 130*		*07/22/25 20:21*	*2000*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/22/25 20:21*	*2000*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**	**J**	0.20	0.084	ug/L		07/18/25 07:00	07/23/25 21:32	1
Aniline	ND		9.9	0.73	ug/L		07/18/25 07:00	07/23/25 21:32	1
Acenaphthylene	ND		0.20	0.046	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzenethiol	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 21:32	1
Anthracene	ND		0.20	0.072	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzoic acid	ND	*1	99	79	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-chloroethoxy)methane	ND	*+	9.9	0.34	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 21:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525-DUP
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Lab Sample ID: 400-279298-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		07/18/25 07:00	07/23/25 21:32	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 21:32	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/23/25 21:32	1
Bis(2-ethylhexyl) phthalate	ND	*+	9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		07/18/25 07:00	07/23/25 21:32	1
Chrysene	ND		0.20	0.038	ug/L		07/18/25 07:00	07/23/25 21:32	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chloroaniline	ND		9.9	0.57	ug/L		07/18/25 07:00	07/23/25 21:32	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		07/18/25 07:00	07/23/25 21:32	1
Fluorene	**0.16**	**J**	0.20	0.086	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Chlorophenol	ND		9.9	0.83	ug/L		07/18/25 07:00	07/23/25 21:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/23/25 21:32	1
1-Methylnaphthalene	**7.8**		0.20	0.065	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Chlorophenyl phenyl ether	ND	*+	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Methylnaphthalene	**7.2**		0.20	0.076	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dibenzofuran	ND		9.9	0.63	ug/L		07/18/25 07:00	07/23/25 21:32	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		07/18/25 07:00	07/23/25 21:32	1
Phenanthrene	ND		0.20	0.043	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pyrene	ND		0.20	0.094	ug/L		07/18/25 07:00	07/23/25 21:32	1
Diethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dimethylphenol	**9.2**	**J**	9.9	0.24	ug/L		07/18/25 07:00	07/23/25 21:32	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
Di-n-butyl phthalate	ND		9.9	8.1	ug/L		07/18/25 07:00	07/23/25 21:32	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		07/18/25 07:00	07/23/25 21:32	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		07/18/25 07:00	07/23/25 21:32	1
1,4-Dioxane	ND		9.9	4.2	ug/L		07/18/25 07:00	07/23/25 21:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachlorobenzene	ND	*+	9.9	0.25	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/23/25 21:32	1
Hexachloroethane	ND		9.9	0.52	ug/L		07/18/25 07:00	07/23/25 21:32	1
Indene	**1.5**	**J**	9.9	0.43	ug/L		07/18/25 07:00	07/23/25 21:32	1
Isophorone	ND		9.9	0.79	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Methylphenol	**3.8**	**J** *+ J	9.9	0.75	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Nitroaniline	ND		9.9	1.4	ug/L		07/18/25 07:00	07/23/25 21:32	1
3-Nitroaniline	ND		9.9	0.94	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Nitroaniline	ND		9.9	3.5	ug/L		07/18/25 07:00	07/23/25 21:32	1
Nitrobenzene	ND		9.9	0.59	ug/L		07/18/25 07:00	07/23/25 21:32	1
2-Nitrophenol	ND		9.9	1.2	ug/L		07/18/25 07:00	07/23/25 21:32	1
4-Nitrophenol	ND	*+	9.9	2.7	ug/L		07/18/25 07:00	07/23/25 21:32	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		07/18/25 07:00	07/23/25 21:32	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		07/18/25 07:00	07/23/25 21:32	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Client Sample ID: MW25-ROX-071525-DUP
Date Collected: 07/15/25 09:20
Date Received: 07/16/25 09:37

Lab Sample ID: 400-279298-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pentachlorophenol	ND		9.9	2.8	ug/L		07/18/25 07:00	07/23/25 21:32	1
Pyridine	ND	UJ	9.9	3.0	ug/L		07/18/25 07:00	07/23/25 21:32	1
Quinoline	ND		9.9	0.49	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		07/18/25 07:00	07/23/25 21:32	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		07/18/25 07:00	07/23/25 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Nitrobenzene-d5	*99*		*50 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Terphenyl-d14	*62*		*43 - 147*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2-Fluorobiphenyl	*80*		*25 - 139*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2-Fluorophenol	*101*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Nitrobenzene-d5	*99*		*22 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Phenol-d5	*97*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
Terphenyl-d14	*62*		*28 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*
2,4,6-Tribromophenol	*110*		*10 - 150*	*07/18/25 07:00*	*07/23/25 21:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	**120**		99	23	ug/L		07/18/25 07:00	07/25/25 13:30	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**260**		200	13	ug/L		07/18/25 07:00	07/24/25 18:29	20

Definitions/Glossary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

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, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-136)	(79-130)	(64-132)
400-279298-1	TB-ROX-071525-8260-A	101	103	102
400-279298-3	MW2-ROX-071525-EB	97	100	100
400-279298-4	MW2-ROX-071525	103	96	104
400-279298-5	MW24-ROX-071525	100	103	102
400-279298-6	MW22-ROX-071525	99	96	103
400-279298-7	TB-ROX-071525-8260-B	100	102	101
400-279298-9	MW4-ROX-071525-EB	97	103	101
400-279298-10	MW4-ROX-071525	98	116	100
400-279298-10 - DL	MW4-ROX-071525	98	100	101
400-279298-11	MW25-ROX-071525	96	102	100
400-279298-12	MW25-ROX-071525-DUP	96	102	100
LCS 400-716790/1002	Lab Control Sample	106	93	101
LCS 400-716940/1002	Lab Control Sample	105	94	103
LCS 400-717227/1002	Lab Control Sample	105	92	100
MB 400-716790/4	Method Blank	96	104	101
MB 400-716940/4	Method Blank	97	103	103
MB 400-717227/4	Method Blank	98	102	100

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
400-279298-2	TB-ROX-071525-8260SIM-A	103	98	103
400-279298-3	MW2-ROX-071525-EB	105	98	104
400-279298-4	MW2-ROX-071525	93	107	114
400-279298-5	MW24-ROX-071525	99	97	102
400-279298-6	MW22-ROX-071525	94	101	115
400-279298-8	TB-ROX-071525-8260SIM-B	99	96	104
400-279298-9	MW4-ROX-071525-EB	100	97	104
400-279298-10	MW4-ROX-071525	95	96	105
400-279298-11	MW25-ROX-071525	93	99	100
400-279298-12	MW25-ROX-071525-DUP	93	99	101
LCS 400-716286/1004	Lab Control Sample	93	101	108
LCS 400-716932/1004	Lab Control Sample	95	103	101
MB 400-716286/6	Method Blank	99	98	104
MB 400-716932/6	Method Blank	103	100	103

Surrogate Legend

DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
400-279298-3	MW2-ROX-071525-EB	82	96	84	82	107	96	101	84
400-279298-4	MW2-ROX-071525	79	97	58	79	101	97	94	58
400-279298-5	MW24-ROX-071525	77	92	60	77	96	92	91	60
400-279298-6	MW22-ROX-071525	76	94	58	76	99	94	94	58
400-279298-9	MW4-ROX-071525-EB	82	100	87	82	106	100	99	87
400-279298-10	MW4-ROX-071525	81	99	58	81	105	99	103	58
400-279298-11	MW25-ROX-071525	77	98	60	77	98	98	95	60
400-279298-12	MW25-ROX-071525-DUP	80	99	62	80	101	99	97	62
LCS 400-716503/49-A	Lab Control Sample				91	108	101	107	91
LCSD 400-716503/50-A	Lab Control Sample Dup				100	112	109	110	101

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-279298-3	MW2-ROX-071525-EB	108
400-279298-4	MW2-ROX-071525	101
400-279298-5	MW24-ROX-071525	92
400-279298-6	MW22-ROX-071525	106
400-279298-9	MW4-ROX-071525-EB	101
400-279298-10	MW4-ROX-071525	103
400-279298-11	MW25-ROX-071525	103
400-279298-12	MW25-ROX-071525-DUP	110
LCS 400-716503/49-A	Lab Control Sample	97
LCSD 400-716503/50-A	Lab Control Sample Dup	97

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	FBP (15-150)	NBZ (50-150)	TPHL (43-147)	FBP (25-139)	2FP (10-150)	NBZ (22-150)	PHL (10-150)	TPHL (28-150)
LCS 400-716503/2-A	Lab Control Sample	89	102	94	89	119	102	126	94
LCSD 400-716503/3-A	Lab Control Sample Dup	92	107	97	92	127	107	136	97
MB 400-716503/1-A	Method Blank	95	110	90	95	97	110	83	90

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TBP (10-150)
LCS 400-716503/2-A	Lab Control Sample	107
LCSD 400-716503/3-A	Lab Control Sample Dup	113
MB 400-716503/1-A	Method Blank	103

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Surrogate Summary

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-071525-8260-A
Lab Sample ID: 400-279298-1
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 15:32	RSG	EET PEN

Client Sample ID: TB-ROX-071525-8260SIM-A
Lab Sample ID: 400-279298-2
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 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	8260D SIM		1	5 mL	5 mL	716286	07/17/25 17:33	NMB	EET PEN

Client Sample ID: MW2-ROX-071525-EB
Lab Sample ID: 400-279298-3
Date Collected: 07/15/25 08:35
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 15:53	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 17:56	NMB	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 17:17	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 17:17	JAW	EET PEN

Client Sample ID: MW2-ROX-071525
Lab Sample ID: 400-279298-4
Date Collected: 07/15/25 10:30
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 16:13	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 18:19	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 17:54	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 17:54	JAW	EET PEN

Client Sample ID: MW24-ROX-071525
Lab Sample ID: 400-279298-5
Date Collected: 07/15/25 12:15
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 16:34	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 18:43	NMB	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 18:30	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 18:30	JAW	EET PEN

Client Sample ID: MW22-ROX-071525
Lab Sample ID: 400-279298-6
Date Collected: 07/15/25 13:35
Matrix: Water
Date Received: 07/16/25 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	8260D		5	5 mL	5 mL	716940	07/23/25 18:18	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:06	NMB	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 19:07	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 19:07	JAW	EET PEN

Client Sample ID: TB-ROX-071525-8260-B
Lab Sample ID: 400-279298-7
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 16:55	RSG	EET PEN

Client Sample ID: TB-ROX-071525-8260SIM-B
Lab Sample ID: 400-279298-8
Date Collected: 07/15/25 00:00
Matrix: Water
Date Received: 07/16/25 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	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:30	NMB	EET PEN

Client Sample ID: MW4-ROX-071525-EB
Lab Sample ID: 400-279298-9
Date Collected: 07/15/25 07:55
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716940	07/23/25 17:16	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 19:53	NMB	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 19:43	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 19:43	JAW	EET PEN

Client Sample ID: MW4-ROX-071525
Lab Sample ID: 400-279298-10
Date Collected: 07/15/25 08:30
Matrix: Water
Date Received: 07/16/25 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	8260D		1	5 mL	5 mL	716790	07/22/25 19:19	CAR	EET PEN
Total/NA	Analysis	8260D	DL	50	5 mL	5 mL	717227	07/25/25 19:27	RSG	EET PEN
Total/NA	Analysis	8260D SIM		1	5 mL	5 mL	716286	07/17/25 20:17	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 20:19	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 20:19	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-071525
Lab Sample ID: 400-279298-10
Date Collected: 07/15/25 08:30
Matrix: Water
Date Received: 07/16/25 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			717087	07/24/25 17:15	S1B	EET PEN

Client Sample ID: MW25-ROX-071525
Lab Sample ID: 400-279298-11
Date Collected: 07/15/25 09:20
Matrix: Water
Date Received: 07/16/25 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	8260D		2000	5 mL	5 mL	716790	07/22/25 20:00	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716932	07/23/25 12:17	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 20:56	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 20:56	JAW	EET PEN
Total/NA	Prep	3511	DL2		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 17:52	S1B	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717240	07/25/25 12:53	S1B	EET PEN

Client Sample ID: MW25-ROX-071525-DUP
Lab Sample ID: 400-279298-12
Date Collected: 07/15/25 09:20
Matrix: Water
Date Received: 07/16/25 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	8260D		2000	5 mL	5 mL	716790	07/22/25 20:21	CAR	EET PEN
Total/NA	Analysis	8260D SIM		25	5 mL	5 mL	716932	07/23/25 12:40	NMB	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716958	07/23/25 21:32	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716959	07/23/25 21:32	JAW	EET PEN
Total/NA	Prep	3511	DL2		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL2	20			717087	07/24/25 18:29	S1B	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E	DL	5			717240	07/25/25 13:30	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716286/6
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	8260D SIM		1	5 mL	5 mL	716286	07/17/25 12:17	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716503/1-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716790/4
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	8260D		1	5 mL	5 mL	716790	07/22/25 11:53	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716932/6
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	8260D SIM		1	5 mL	5 mL	716932	07/23/25 09:27	NMB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-716940/4
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	8260D		1	5 mL	5 mL	716940	07/23/25 11:32	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-717227/4
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	8260D		1	5 mL	5 mL	717227	07/25/25 09:53	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716286/1004
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	8260D SIM		1	5 mL	5 mL	716286	07/17/25 08:54	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/2-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 19:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716503/49-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:49	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716790/1002
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	8260D		1	5 mL	5 mL	716790	07/22/25 10:56	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716932/1004
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	8260D SIM		1	5 mL	5 mL	716932	07/23/25 08:07	NMB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-716940/1002
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	8260D		1	5 mL	5 mL	716940	07/23/25 10:29	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-717227/1002
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	8260D		1	5 mL	5 mL	717227	07/25/25 08:54	RSG	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/3-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 20:13	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716601	07/19/25 20:13	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-716503/50-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	3511			30 mL	2 mL	716503	07/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			716600	07/19/25 21:24	JAW	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

GC/MS VOA

Analysis Batch: 716286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-2	TB-ROX-071525-8260SIM-A	Total/NA	Water	8260D SIM	
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8260D SIM	
400-279298-4	MW2-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-5	MW24-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-6	MW22-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-8	TB-ROX-071525-8260SIM-B	Total/NA	Water	8260D SIM	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8260D SIM	
400-279298-10	MW4-ROX-071525	Total/NA	Water	8260D SIM	
MB 400-716286/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716286/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10	MW4-ROX-071525	Total/NA	Water	8260D	
400-279298-11	MW25-ROX-071525	Total/NA	Water	8260D	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8260D	
MB 400-716790/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716790/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 716932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-11	MW25-ROX-071525	Total/NA	Water	8260D SIM	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8260D SIM	
MB 400-716932/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 400-716932/1004	Lab Control Sample	Total/NA	Water	8260D SIM	

Analysis Batch: 716940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-1	TB-ROX-071525-8260-A	Total/NA	Water	8260D	
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8260D	
400-279298-4	MW2-ROX-071525	Total/NA	Water	8260D	
400-279298-5	MW24-ROX-071525	Total/NA	Water	8260D	
400-279298-6	MW22-ROX-071525	Total/NA	Water	8260D	
400-279298-7	TB-ROX-071525-8260-B	Total/NA	Water	8260D	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8260D	
MB 400-716940/4	Method Blank	Total/NA	Water	8260D	
LCS 400-716940/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 717227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	8260D	
MB 400-717227/4	Method Blank	Total/NA	Water	8260D	
LCS 400-717227/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 716503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	3511	
400-279298-4	MW2-ROX-071525	Total/NA	Water	3511	
400-279298-5	MW24-ROX-071525	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 716503 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-6	MW22-ROX-071525	Total/NA	Water	3511	
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	3511	
400-279298-10	MW4-ROX-071525	Total/NA	Water	3511	
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	3511	
400-279298-11	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-11 - DL2	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-11 - DL	MW25-ROX-071525	Total/NA	Water	3511	
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	3511	
400-279298-12 - DL2	MW25-ROX-071525-DUP	Total/NA	Water	3511	
400-279298-12 - DL	MW25-ROX-071525-DUP	Total/NA	Water	3511	
MB 400-716503/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 716600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCS 400-716503/49-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503
LCSD 400-716503/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-716503/1-A	Method Blank	Total/NA	Water	8270E	716503
LCS 400-716503/2-A	Lab Control Sample	Total/NA	Water	8270E	716503
LCSD 400-716503/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	716503

Analysis Batch: 716958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-4	MW2-ROX-071525	Total/NA	Water	8270E	716503
400-279298-5	MW24-ROX-071525	Total/NA	Water	8270E	716503
400-279298-6	MW22-ROX-071525	Total/NA	Water	8270E	716503
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-10	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Analysis Batch: 716959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-3	MW2-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-4	MW2-ROX-071525	Total/NA	Water	8270E	716503
400-279298-5	MW24-ROX-071525	Total/NA	Water	8270E	716503
400-279298-6	MW22-ROX-071525	Total/NA	Water	8270E	716503
400-279298-9	MW4-ROX-071525-EB	Total/NA	Water	8270E	716503
400-279298-10	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-279298-1

GC/MS Semi VOA

Analysis Batch: 717087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-10 - DL	MW4-ROX-071525	Total/NA	Water	8270E	716503
400-279298-11 - DL2	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12 - DL2	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Analysis Batch: 717240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-279298-11 - DL	MW25-ROX-071525	Total/NA	Water	8270E	716503
400-279298-12 - DL	MW25-ROX-071525-DUP	Total/NA	Water	8270E	716503

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

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			07/22/25 11:53	1
Acrolein	ND		20	3.3	ug/L			07/22/25 11:53	1
Acrylonitrile	ND		10	2.8	ug/L			07/22/25 11:53	1
Benzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Bromobenzene	ND		1.0	0.54	ug/L			07/22/25 11:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/22/25 11:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Bromoform	ND		5.0	0.25	ug/L			07/22/25 11:53	1
Bromomethane	ND		1.0	0.98	ug/L			07/22/25 11:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/22/25 11:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/22/25 11:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/22/25 11:53	1
Chloroethane	ND		1.0	0.76	ug/L			07/22/25 11:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/22/25 11:53	1
Chloroform	ND		1.0	0.90	ug/L			07/22/25 11:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/22/25 11:53	1
Chloromethane	ND		1.0	0.40	ug/L			07/22/25 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/22/25 11:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/22/25 11:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/22/25 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/22/25 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/22/25 11:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/22/25 11:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/22/25 11:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			07/22/25 11:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/22/25 11:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/22/25 11:53	1
2-Hexanone	ND		25	4.3	ug/L			07/22/25 11:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/22/25 11:53	1
Methylene bromide	ND		5.0	0.22	ug/L			07/22/25 11:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/22/25 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/22/25 11:53	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/22/25 11:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
Naphthalene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/22/25 11:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/22/25 11:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/22/25 11:53	1
o-Xylene	ND		5.0	3.0	ug/L			07/22/25 11:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/22/25 11:53	1

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

Lab Sample ID: MB 400-716790/4
Matrix: Water
Analysis Batch: 716790

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			07/22/25 11:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/22/25 11:53	1
Styrene	ND		1.0	1.0	ug/L			07/22/25 11:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/22/25 11:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/22/25 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/22/25 11:53	1
Toluene	ND		1.0	0.90	ug/L			07/22/25 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/22/25 11:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/22/25 11:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/22/25 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/22/25 11:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/22/25 11:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/22/25 11:53	1
Trichloroethene	ND		1.0	0.15	ug/L			07/22/25 11:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/22/25 11:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/22/25 11:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/22/25 11:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/22/25 11:53	1
Vinyl acetate	ND		25	0.93	ug/L			07/22/25 11:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/22/25 11:53	1
Xylenes, Total	ND		10	6.0	ug/L			07/22/25 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*07/22/25 11:53*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*07/22/25 11:53*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*07/22/25 11:53*	*1*

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

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 - 150
Acrolein	500	434		ug/L		87	38 - 150
Acrylonitrile	500	528		ug/L		106	64 - 142
Benzene	50.0	50.2		ug/L		100	70 - 130
Bromobenzene	50.0	52.0		ug/L		104	70 - 132
Bromochloromethane	50.0	45.0		ug/L		90	70 - 130
Bromodichloromethane	50.0	47.0		ug/L		94	67 - 133
Bromoform	50.0	51.1		ug/L		102	57 - 140
Bromomethane	50.0	35.7		ug/L		71	10 - 150
2-Butanone (MEK)	200	269		ug/L		135	61 - 145
Carbon disulfide	50.0	49.4		ug/L		99	61 - 137
Carbon tetrachloride	50.0	44.0		ug/L		88	61 - 137
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130
Chloroethane	50.0	42.8		ug/L		86	55 - 141
2-Chloroethyl vinyl ether	50.0	56.8		ug/L		114	10 - 150

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

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	50.0	43.5		ug/L		87	69 - 130
1-Chlorohexane	50.0	51.7		ug/L		103	69 - 130
Chloromethane	50.0	50.2		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	55.4		ug/L		111	68 - 130
cis-1,3-Dichloropropene	50.0	51.9		ug/L		104	69 - 132
Dibromochloromethane	50.0	48.4		ug/L		97	67 - 135
1,2-Dichlorobenzene	50.0	47.7		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	51.5		ug/L		103	41 - 146
1,1-Dichloroethane	50.0	51.0		ug/L		102	70 - 130
1,2-Dichloroethane	50.0	41.6		ug/L		83	69 - 130
1,1-Dichloroethene	50.0	42.4		ug/L		85	63 - 134
1,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	53.4		ug/L		107	70 - 130
2,2-Dichloropropane	50.0	44.5		ug/L		89	52 - 135
1,1-Dichloropropene	50.0	49.2		ug/L		98	70 - 130
Ethylbenzene	50.0	52.2		ug/L		104	70 - 130
Ethyl methacrylate	50.0	56.5		ug/L		113	68 - 130
Hexachlorobutadiene	50.0	53.5		ug/L		107	53 - 140
2-Hexanone	200	252		ug/L		126	65 - 137
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130
Methylene bromide	50.0	46.4		ug/L		93	70 - 130
Methylene Chloride	50.0	49.3		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	211		ug/L		105	69 - 138
Methyl tert-butyl ether	50.0	48.1		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	49.7		ug/L		99	70 - 130
Naphthalene	50.0	55.6		ug/L		111	47 - 149
n-Butylbenzene	50.0	53.6		ug/L		107	67 - 130
N-Propylbenzene	50.0	54.7		ug/L		109	70 - 130
o-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	49.3		ug/L		99	70 - 130
p-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	53.7		ug/L		107	66 - 130
Styrene	50.0	48.6		ug/L		97	70 - 130
tert-Butylbenzene	50.0	50.1		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.2		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/L		112	70 - 131
Tetrachloroethene	50.0	56.0		ug/L		112	65 - 130
Toluene	50.0	50.0		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	53.5		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	53.6		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	43.5		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	70 - 130
Trichloroethene	50.0	49.8		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	39.1		ug/L		78	65 - 138

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

Lab Sample ID: LCS 400-716790/1002
Matrix: Water
Analysis Batch: 716790

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	55.7		ug/L		111	70 - 130
1,2,4-Trimethylbenzene	50.0	54.4		ug/L		109	70 - 130
1,3,5-Trimethylbenzene	50.0	54.3		ug/L		109	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 150
Vinyl chloride	50.0	52.4		ug/L		105	59 - 136
Xylenes, Total	100	98.9		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-716940/4
Matrix: Water
Analysis Batch: 716940

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			07/23/25 11:32	1
Acrolein	ND		20	3.3	ug/L			07/23/25 11:32	1
Acrylonitrile	ND		10	2.8	ug/L			07/23/25 11:32	1
Benzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Bromobenzene	ND		1.0	0.54	ug/L			07/23/25 11:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			07/23/25 11:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Bromoform	ND		5.0	0.25	ug/L			07/23/25 11:32	1
Bromomethane	ND		1.0	0.98	ug/L			07/23/25 11:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			07/23/25 11:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/23/25 11:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			07/23/25 11:32	1
Chloroethane	ND		1.0	0.76	ug/L			07/23/25 11:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			07/23/25 11:32	1
Chloroform	ND		1.0	0.90	ug/L			07/23/25 11:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			07/23/25 11:32	1
Chloromethane	ND		1.0	0.40	ug/L			07/23/25 11:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/23/25 11:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			07/23/25 11:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			07/23/25 11:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			07/23/25 11:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			07/23/25 11:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			07/23/25 11:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			07/23/25 11:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			07/23/25 11:32	1

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

Lab Sample ID: MB 400-716940/4
Matrix: Water
Analysis Batch: 716940

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	0.090	ug/L			07/23/25 11:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			07/23/25 11:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			07/23/25 11:32	1
2-Hexanone	ND		25	4.3	ug/L			07/23/25 11:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			07/23/25 11:32	1
Methylene bromide	ND		5.0	0.22	ug/L			07/23/25 11:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			07/23/25 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			07/23/25 11:32	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			07/23/25 11:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
Naphthalene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			07/23/25 11:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			07/23/25 11:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			07/23/25 11:32	1
o-Xylene	ND		5.0	3.0	ug/L			07/23/25 11:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			07/23/25 11:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			07/23/25 11:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			07/23/25 11:32	1
Styrene	ND		1.0	1.0	ug/L			07/23/25 11:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			07/23/25 11:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			07/23/25 11:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			07/23/25 11:32	1
Toluene	ND		1.0	0.90	ug/L			07/23/25 11:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			07/23/25 11:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			07/23/25 11:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			07/23/25 11:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			07/23/25 11:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			07/23/25 11:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			07/23/25 11:32	1
Trichloroethene	ND		1.0	0.15	ug/L			07/23/25 11:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			07/23/25 11:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			07/23/25 11:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			07/23/25 11:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			07/23/25 11:32	1
Vinyl acetate	ND		25	0.93	ug/L			07/23/25 11:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			07/23/25 11:32	1
Xylenes, Total	ND		10	6.0	ug/L			07/23/25 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*56 - 136*		*07/23/25 11:32*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*07/23/25 11:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*07/23/25 11:32*	*1*

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

Lab Sample ID: LCS 400-716940/1002
Matrix: Water
Analysis Batch: 716940

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 - 150
Acrolein	500	419		ug/L		84	38 - 150
Acrylonitrile	500	516		ug/L		103	64 - 142
Benzene	50.0	48.8		ug/L		98	70 - 130
Bromobenzene	50.0	49.3		ug/L		99	70 - 132
Bromochloromethane	50.0	43.2		ug/L		86	70 - 130
Bromodichloromethane	50.0	45.6		ug/L		91	67 - 133
Bromoform	50.0	48.2		ug/L		96	57 - 140
Bromomethane	50.0	35.2		ug/L		70	10 - 150
2-Butanone (MEK)	200	233		ug/L		116	61 - 145
Carbon disulfide	50.0	47.0		ug/L		94	61 - 137
Carbon tetrachloride	50.0	43.2		ug/L		86	61 - 137
Chlorobenzene	50.0	49.1		ug/L		98	70 - 130
Chloroethane	50.0	40.4		ug/L		81	55 - 141
2-Chloroethyl vinyl ether	50.0	54.1		ug/L		108	10 - 150
Chloroform	50.0	43.0		ug/L		86	69 - 130
1-Chlorohexane	50.0	49.3		ug/L		99	69 - 130
Chloromethane	50.0	49.1		ug/L		98	58 - 137
cis-1,2-Dichloroethene	50.0	54.4		ug/L		109	68 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	69 - 132
Dibromochloromethane	50.0	47.3		ug/L		95	67 - 135
1,2-Dichlorobenzene	50.0	46.0		ug/L		92	67 - 130
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	50.9		ug/L		102	41 - 146
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	40.6		ug/L		81	69 - 130
1,1-Dichloroethene	50.0	40.1		ug/L		80	63 - 134
1,2-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130
2,2-Dichloropropane	50.0	42.0		ug/L		84	52 - 135
1,1-Dichloropropene	50.0	47.2		ug/L		94	70 - 130
Ethylbenzene	50.0	48.8		ug/L		98	70 - 130
Ethyl methacrylate	50.0	51.4		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	51.9		ug/L		104	53 - 140
2-Hexanone	200	215		ug/L		107	65 - 137
Isopropylbenzene	50.0	47.8		ug/L		96	70 - 130
Methylene bromide	50.0	44.1		ug/L		88	70 - 130
Methylene Chloride	50.0	48.3		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	187		ug/L		93	69 - 138
Methyl tert-butyl ether	50.0	44.4		ug/L		89	66 - 130
m-Xylene & p-Xylene	50.0	47.3		ug/L		95	70 - 130
Naphthalene	50.0	52.5		ug/L		105	47 - 149
n-Butylbenzene	50.0	49.6		ug/L		99	67 - 130
N-Propylbenzene	50.0	51.2		ug/L		102	70 - 130
o-Chlorotoluene	50.0	47.2		ug/L		94	70 - 130
o-Xylene	50.0	46.6		ug/L		93	70 - 130
p-Chlorotoluene	50.0	48.1		ug/L		96	70 - 130

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

Lab Sample ID: LCS 400-716940/1002
Matrix: Water
Analysis Batch: 716940

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	49.9		ug/L		100	65 - 130
sec-Butylbenzene	50.0	51.0		ug/L		102	66 - 130
Styrene	50.0	45.7		ug/L		91	70 - 130
tert-Butylbenzene	50.0	47.5		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.2		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	70 - 131
Tetrachloroethene	50.0	48.4		ug/L		97	65 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	51.6		ug/L		103	60 - 138
1,2,4-Trichlorobenzene	50.0	50.0		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	42.6		ug/L		85	68 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	47.6		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	39.8		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	51.6		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	50.4		ug/L		101	69 - 130
Vinyl acetate	100	104		ug/L		104	26 - 150
Vinyl chloride	50.0	52.1		ug/L		104	59 - 136
Xylenes, Total	100	93.9		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: MB 400-717227/4
Matrix: Water
Analysis Batch: 717227

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	0.50	ug/L			07/25/25 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*07/25/25 09:53*	*1*
Dibromofluoromethane	*102*		*79 - 130*		*07/25/25 09:53*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*07/25/25 09:53*	*1*

Lab Sample ID: LCS 400-717227/1002
Matrix: Water
Analysis Batch: 717227

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	49.3		ug/L		99	70 - 130

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

Lab Sample ID: LCS 400-717227/1002
Matrix: Water
Analysis Batch: 717227

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: MB 400-716286/6
Matrix: Water
Analysis Batch: 716286

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/17/25 12:17	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/17/25 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*50 - 150*		*07/17/25 12:17*	*1*
Toluene-d8 (Surr)	*98*		*50 - 150*		*07/17/25 12:17*	*1*
4-Bromofluorobenzene	*104*		*50 - 150*		*07/17/25 12:17*	*1*

Lab Sample ID: LCS 400-716286/1004
Matrix: Water
Analysis Batch: 716286

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.401		ug/L		80	50 - 150		
1,2-Dibromoethane			0.500	0.458		ug/L		92	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*93*		*50 - 150*
Toluene-d8 (Surr)	*101*		*50 - 150*
4-Bromofluorobenzene	*108*		*50 - 150*

Lab Sample ID: MB 400-716932/6
Matrix: Water
Analysis Batch: 716932

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.020	0.016	ug/L			07/23/25 09:27	1
1,2-Dibromoethane	ND		0.020	0.010	ug/L			07/23/25 09:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*50 - 150*		*07/23/25 09:27*	*1*
Toluene-d8 (Surr)	*100*		*50 - 150*		*07/23/25 09:27*	*1*
4-Bromofluorobenzene	*103*		*50 - 150*		*07/23/25 09:27*	*1*

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

Lab Sample ID: LCS 400-716932/1004
Matrix: Water
Analysis Batch: 716932

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.500	0.413		ug/L		83	50 - 150		
1,2-Dibromoethane			0.500	0.486		ug/L		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*95*		*50 - 150*
Toluene-d8 (Surr)	*103*		*50 - 150*
4-Bromofluorobenzene	*101*		*50 - 150*

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

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		07/18/25 07:00	07/19/25 19:02	1
Aniline	ND		10	0.74	ug/L		07/18/25 07:00	07/19/25 19:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzenethiol	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
Anthracene	ND		0.20	0.073	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzoic acid	ND		100	80	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzyl alcohol	ND		35	30	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		07/18/25 07:00	07/19/25 19:02	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		07/18/25 07:00	07/19/25 19:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		07/18/25 07:00	07/19/25 19:02	1
Chrysene	ND		0.20	0.039	ug/L		07/18/25 07:00	07/19/25 19:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloroaniline	ND		10	0.58	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluoranthene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		07/18/25 07:00	07/19/25 19:02	1
Fluorene	ND		0.20	0.087	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Chlorophenol	ND		10	0.84	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		07/18/25 07:00	07/19/25 19:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dibenzofuran	ND		10	0.64	ug/L		07/18/25 07:00	07/19/25 19:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		07/18/25 07:00	07/19/25 19:02	1

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

Lab Sample ID: MB 400-716503/1-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.044	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyrene	ND		0.20	0.095	ug/L		07/18/25 07:00	07/19/25 19:02	1
Diethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		07/18/25 07:00	07/19/25 19:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-butyl phthalate	ND		10	8.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		07/18/25 07:00	07/19/25 19:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,4-Dioxane	ND		10	4.3	ug/L		07/18/25 07:00	07/19/25 19:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		07/18/25 07:00	07/19/25 19:02	1
Hexachloroethane	ND		10	0.53	ug/L		07/18/25 07:00	07/19/25 19:02	1
Indene	ND		10	0.44	ug/L		07/18/25 07:00	07/19/25 19:02	1
Isophorone	ND		10	0.80	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Methylphenol	ND		10	0.76	ug/L		07/18/25 07:00	07/19/25 19:02	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitroaniline	ND		10	1.4	ug/L		07/18/25 07:00	07/19/25 19:02	1
3-Nitroaniline	ND		10	0.95	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitroaniline	ND		10	3.5	ug/L		07/18/25 07:00	07/19/25 19:02	1
Nitrobenzene	ND		10	0.60	ug/L		07/18/25 07:00	07/19/25 19:02	1
2-Nitrophenol	ND		10	1.2	ug/L		07/18/25 07:00	07/19/25 19:02	1
4-Nitrophenol	ND		10	2.7	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		07/18/25 07:00	07/19/25 19:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pentachlorophenol	ND		10	2.8	ug/L		07/18/25 07:00	07/19/25 19:02	1
Phenol	ND		10	0.68	ug/L		07/18/25 07:00	07/19/25 19:02	1
Pyridine	ND		10	3.0	ug/L		07/18/25 07:00	07/19/25 19:02	1
Quinoline	ND		10	0.50	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		07/18/25 07:00	07/19/25 19:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		07/18/25 07:00	07/19/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*43 - 147*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorobiphenyl	*95*		*25 - 139*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2-Fluorophenol	*97*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Nitrobenzene-d5	*110*		*22 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Phenol-d5	*83*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
Terphenyl-d14	*90*		*28 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*
2,4,6-Tribromophenol	*103*		*10 - 150*	*07/18/25 07:00*	*07/19/25 19:02*	*1*

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

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	35.2		ug/L		106	29 - 150
Aniline	33.3	40.9		ug/L		123	10 - 134
Acenaphthylene	33.3	36.4		ug/L		109	30 - 150
Anthracene	33.3	39.3		ug/L		118	31 - 150
Benzoic acid	214	ND		ug/L		25	10 - 180
Benzo[a]anthracene	33.3	38.8		ug/L		116	36 - 150
Benzyl alcohol	33.3	44.7		ug/L		134	10 - 150
Benzo[a]pyrene	33.3	39.3		ug/L		118	29 - 150
Bis(2-chloroethoxy)methane	33.3	41.2	*+	ug/L		124	34 - 120
Benzo[b]fluoranthene	33.3	42.4		ug/L		127	32 - 150
Bis(2-chloroethyl)ether	33.3	36.4		ug/L		109	32 - 114
Benzo[g,h,i]perylene	33.3	39.0		ug/L		117	28 - 150
bis (2-chloroisopropyl) ether	33.3	35.7		ug/L		107	32 - 115
Benzo[k]fluoranthene	33.3	38.7		ug/L		116	30 - 150
Bis(2-ethylhexyl) phthalate	33.3	44.2		ug/L		133	24 - 133
4-Bromophenyl phenyl ether	33.3	36.4		ug/L		109	24 - 120
Chrysene	33.3	36.2		ug/L		109	34 - 150
Butyl benzyl phthalate	33.3	35.3		ug/L		106	24 - 140
Dibenz(a,h)anthracene	33.3	38.2		ug/L		115	29 - 150
4-Chloroaniline	33.3	36.9		ug/L		111	10 - 150
Fluoranthene	33.3	37.6		ug/L		113	30 - 150
4-Chloro-3-methylphenol	33.3	41.8		ug/L		125	10 - 137
Fluorene	33.3	37.2		ug/L		111	30 - 150
2-Chloronaphthalene	33.3	33.3		ug/L		100	10 - 150
2-Chlorophenol	33.3	38.7		ug/L		116	28 - 127
Indeno[1,2,3-cd]pyrene	33.3	37.9		ug/L		114	28 - 150
1-Methylnaphthalene	33.3	32.9		ug/L		99	25 - 150
4-Chlorophenyl phenyl ether	33.3	36.8	*+	ug/L		111	31 - 110
2-Methylnaphthalene	33.3	31.6		ug/L		95	24 - 150
Dibenz[a,h]acridine	49.9	52.0		ug/L		104	40 - 150
Dibenzofuran	33.3	35.6		ug/L		107	35 - 110
3,3'-Dichlorobenzidine	33.3	35.3		ug/L		106	10 - 150
Phenanthrene	33.3	37.4		ug/L		112	32 - 150
2,4-Dichlorophenol	33.3	40.0		ug/L		120	30 - 125
Pyrene	33.3	38.2		ug/L		114	30 - 150
Diethyl phthalate	33.3	28.5		ug/L		85	31 - 118
2,4-Dimethylphenol	33.3	37.9		ug/L		114	10 - 142
Dimethyl phthalate	33.3	28.5		ug/L		85	24 - 125
Di-n-butyl phthalate	33.3	33.6		ug/L		101	30 - 127
4,6-Dinitro-ortho-cresol	66.7	81.4		ug/L		122	10 - 150
2,4-Dinitrophenol	66.7	84.7		ug/L		127	10 - 150
2,4-Dinitrotoluene	33.3	42.2		ug/L		127	30 - 129
2,6-Dinitrotoluene	33.3	41.4		ug/L		124	34 - 132
Di-n-octyl phthalate	33.3	42.3		ug/L		127	28 - 142
1,4-Dioxane	33.3	39.7		ug/L		119	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	33.3	39.3		ug/L		118	29 - 121
Hexachlorobenzene	33.3	38.2	*+	ug/L		115	29 - 113
Hexachlorocyclopentadiene	33.3	26.0		ug/L		78	10 - 150

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

Lab Sample ID: LCS 400-716503/2-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	33.3	26.1		ug/L		78	10 - 112
Indene	50.0	35.8		ug/L		72	10 - 113
Isophorone	33.3	39.1		ug/L		117	29 - 125
2-Methylphenol	33.3	45.2	*+	ug/L		136	11 - 121
3 & 4 Methylphenol	33.3	48.0		ug/L		144	10 - 150
2-Nitroaniline	33.3	43.2		ug/L		130	31 - 141
3-Nitroaniline	33.3	37.3		ug/L		112	33 - 136
4-Nitroaniline	33.3	42.0		ug/L		126	37 - 139
Nitrobenzene	33.3	37.6		ug/L		113	29 - 129
2-Nitrophenol	33.3	40.3		ug/L		121	31 - 142
4-Nitrophenol	66.7	106	*+	ug/L		160	10 - 150
N-Nitrosodimethylamine	33.3	40.2		ug/L		121	10 - 136
N-Nitrosodi-n-propylamine	33.3	38.0		ug/L		114	53 - 134
N-Nitrosodiphenylamine	33.1	38.1		ug/L		115	62 - 132
Pentachlorophenol	66.7	84.4		ug/L		127	14 - 150
Phenol	33.3	47.4		ug/L		142	10 - 150
Pyridine	66.7	58.4		ug/L		88	10 - 150
Quinoline	49.9	48.0		ug/L		96	50 - 150
2,4,5-Trichlorophenol	33.3	39.1		ug/L		117	27 - 136
2,4,6-Trichlorophenol	33.3	40.2		ug/L		121	21 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*
Nitrobenzene-d5	*102*		*50 - 150*
Terphenyl-d14	*94*		*43 - 147*
2-Fluorobiphenyl	*89*		*25 - 139*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*102*		*22 - 150*
Phenol-d5	*126*		*10 - 150*
Terphenyl-d14	*94*		*28 - 150*
2,4,6-Tribromophenol	*107*		*10 - 150*

Lab Sample ID: LCS 400-716503/49-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	35.3		ug/L		71	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*25 - 139*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*101*		*22 - 150*
Phenol-d5	*107*		*10 - 150*
Terphenyl-d14	*91*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

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

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716601

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			33.3	36.0		ug/L		108	29 - 150	2	40
Aniline			33.3	39.9		ug/L		120	10 - 134	2	40
Acenaphthylene			33.3	37.1		ug/L		111	30 - 150	2	40
Anthracene			33.3	38.2		ug/L		115	31 - 150	3	40
Benzoic acid			214	87.9	J *1	ug/L		41	10 - 180	49	40
Benzo[a]anthracene			33.3	38.9		ug/L		117	36 - 150	0	40
Benzyl alcohol			33.3	44.7		ug/L		134	10 - 150	0	40
Benzo[a]pyrene			33.3	36.4		ug/L		109	29 - 150	8	40
Bis(2-chloroethoxy)methane			33.3	41.5	*+	ug/L		125	34 - 120	1	40
Benzo[b]fluoranthene			33.3	38.6		ug/L		116	32 - 150	9	40
Bis(2-chloroethyl)ether			33.3	36.7		ug/L		110	32 - 114	1	40
Benzo[g,h,i]perylene			33.3	36.4		ug/L		109	28 - 150	7	40
bis (2-chloroisopropyl) ether			33.3	35.6		ug/L		107	32 - 115	0	40
Benzo[k]fluoranthene			33.3	37.0		ug/L		111	30 - 150	4	40
Bis(2-ethylhexyl) phthalate			33.3	45.2	*+	ug/L		136	24 - 133	2	40
4-Bromophenyl phenyl ether			33.3	36.0		ug/L		108	24 - 120	1	40
Chrysene			33.3	36.6		ug/L		110	34 - 150	1	40
Butyl benzyl phthalate			33.3	35.3		ug/L		106	24 - 140	0	40
Dibenz(a,h)anthracene			33.3	35.8		ug/L		107	29 - 150	6	40
4-Chloroaniline			33.3	36.8		ug/L		110	10 - 150	0	40
Fluoranthene			33.3	36.8		ug/L		110	30 - 150	2	40
4-Chloro-3-methylphenol			33.3	42.0		ug/L		126	10 - 137	0	40
Fluorene			33.3	37.8		ug/L		113	30 - 150	2	40
2-Chloronaphthalene			33.3	32.6		ug/L		98	10 - 150	2	40
2-Chlorophenol			33.3	40.4		ug/L		121	28 - 127	4	40
Indeno[1,2,3-cd]pyrene			33.3	35.7		ug/L		107	28 - 150	6	40
1-Methylnaphthalene			33.3	33.3		ug/L		100	25 - 150	1	40
4-Chlorophenyl phenyl ether			33.3	37.1	*+	ug/L		111	31 - 110	1	40
2-Methylnaphthalene			33.3	31.7		ug/L		95	24 - 150	0	40
Dibenz[a,h]acridine			49.9	50.7		ug/L		102	40 - 150	3	40
Dibenzofuran			33.3	36.0		ug/L		108	35 - 110	1	40
3,3'-Dichlorobenzidine			33.3	35.6		ug/L		107	10 - 150	1	40
Phenanthrene			33.3	37.1		ug/L		111	32 - 150	1	40
2,4-Dichlorophenol			33.3	39.3		ug/L		118	30 - 125	2	40
Pyrene			33.3	37.4		ug/L		112	30 - 150	2	40
Diethyl phthalate			33.3	29.0		ug/L		87	31 - 118	2	40
2,4-Dimethylphenol			33.3	38.3		ug/L		115	10 - 142	1	40
Dimethyl phthalate			33.3	28.9		ug/L		87	24 - 125	1	40
Di-n-butyl phthalate			33.3	33.2		ug/L		100	30 - 127	1	40
4,6-Dinitro-ortho-cresol			66.7	83.5		ug/L		125	10 - 150	3	40
2,4-Dinitrophenol			66.7	87.7		ug/L		132	10 - 150	4	40
2,4-Dinitrotoluene			33.3	42.3		ug/L		127	30 - 129	0	40
2,6-Dinitrotoluene			33.3	42.0		ug/L		126	34 - 132	1	40
Di-n-octyl phthalate			33.3	43.4		ug/L		130	28 - 142	3	40
1,4-Dioxane			33.3	41.5		ug/L		124	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)			33.3	39.8		ug/L		119	29 - 121	1	40
Hexachlorobenzene			33.3	38.0	*+	ug/L		114	29 - 113	1	40
Hexachlorocyclopentadiene			33.3	28.4		ug/L		85	10 - 150	9	40

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

Lab Sample ID: LCSD 400-716503/3-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane			33.3	26.5		ug/L		80	10 - 112	1	40
Indene			50.0	35.6		ug/L		71	10 - 113	1	40
Isophorone			33.3	39.4		ug/L		118	29 - 125	1	40
2-Methylphenol			33.3	44.1	*+	ug/L		132	11 - 121	2	40
3 & 4 Methylphenol			33.3	48.6		ug/L		146	10 - 150	1	40
2-Nitroaniline			33.3	44.3		ug/L		133	31 - 141	3	40
3-Nitroaniline			33.3	38.3		ug/L		115	33 - 136	3	40
4-Nitroaniline			33.3	42.6		ug/L		128	37 - 139	1	40
Nitrobenzene			33.3	37.8		ug/L		113	29 - 129	1	40
2-Nitrophenol			33.3	41.2		ug/L		124	31 - 142	2	40
4-Nitrophenol			66.7	109	*+	ug/L		163	10 - 150	2	40
N-Nitrosodimethylamine			33.3	41.1		ug/L		123	10 - 136	2	40
N-Nitrosodi-n-propylamine			33.3	40.4		ug/L		121	53 - 134	6	40
N-Nitrosodiphenylamine			33.1	38.5		ug/L		116	62 - 132	1	40
Pentachlorophenol			66.7	84.7		ug/L		127	14 - 150	0	40
Phenol			33.3	47.7		ug/L		143	10 - 150	1	40
Pyridine			66.7	66.7		ug/L		100	10 - 150	13	40
Quinoline			49.9	48.5		ug/L		97	50 - 150	1	40
2,4,5-Trichlorophenol			33.3	40.9		ug/L		123	27 - 136	4	40
2,4,6-Trichlorophenol			33.3	40.7		ug/L		122	21 - 132	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*15 - 150*
Nitrobenzene-d5	*107*		*50 - 150*
Terphenyl-d14	*97*		*43 - 147*
2-Fluorobiphenyl	*92*		*25 - 139*
2-Fluorophenol	*127*		*10 - 150*
Nitrobenzene-d5	*107*		*22 - 150*
Phenol-d5	*136*		*10 - 150*
Terphenyl-d14	*97*		*28 - 150*
2,4,6-Tribromophenol	*113*		*10 - 150*

Lab Sample ID: LCSD 400-716503/50-A
Matrix: Water
Analysis Batch: 716600

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 716503

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	41.3		ug/L		83	10 - 150	16	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*25 - 139*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*109*		*22 - 150*
Phenol-d5	*110*		*10 - 150*
Terphenyl-d14	*101*		*28 - 150*
2,4,6-Tribromophenol	*97*		*10 - 150*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/15/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __2___
60738191 – 3.3.2	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): Melissa Remiger, Mary Massa, Brett Howell

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: melissa.remiger@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60738191 – 3.3.2

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions | PHONE NO.: 314-802-1207 | E-MAIL: melissa.remiger@aecom.com | AECOM Other ID: Roxana 3Q25 Groundwater

SAMPLER NAME(S) (Print): S.McLean, T.Jenkins

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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 1.0, 4.6 IR10

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071525-8260-A	7/15/2025	0000	Water	2					2	X			
	TB-ROX-071525-8260SIM-A	7/15/2025	0000	Water	2					2		X		
	MW2-ROX-071525-EB	7/15/2025	0835	Water	6			4		10	X	X	X	X
	MW2-ROX-071525	7/15/2025	1030	Water	6			4		10	X	X	X	X
	MW24-ROX-071525	7/15/2025	1215	Water	6			4		10	X	X	X	X
	MW22-ROX-071525	7/15/2025	1335	Water	6			4		10	X	X	X	X

400-279298 Chain of Custody

Relinquished by: (Signature) S.MCLEAN	Received by: (Signature) FEDEX: 4234 9605 3138/ 4234 9605 3194	Date: 7/15/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/16/25	Time: 937
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version 19Sept24

CUSTODY SEALS: 16817118/ 1681719/ 168720/ 168721

7/30/2025

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 7/15/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.3.2	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 60738191 – 3.3.2

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Melissa Remiger - please see special instructions

PHONE NO.: 314-802-1207

E-MAIL: melissa.remiger@aecom.com

AECOM Other ID: Roxana 3Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): Tony Jones, Mary Massa

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: melissa.remiger@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 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° | Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Email reports to: melissa.remiger@aecom.com; mary.massa@aecom.com; brett.howell@aecom.com

* Include "J" values on Reports.
* Provide sample receipt upon login.
* Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60738191 – 3.3.2

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	EDB + DBCP 8260 SIM	SVOC 8270 QQQ	PAH 8270 QQQ_LL
	TB-ROX-071525-8260-B	7/15/2025	0000	Water	2					2	X			
	TB-ROX-071525-8260SIM-B	7/15/2025	0000	Water	2					2		X		
	MW4-ROX-071525-EB	7/15/2025	0755	Water	6			4		10	X	X	X	X
	MW4-ROX-071525	7/15/2025	0830	Water	6			4		10	X	X	X	X
	MW25-ROX-071525	7/15/2025	0920	Water	6			4		10	X	X	X	X
	MW25-ROX-071525-DUP	7/15/2025	0920	Water	6			4		10	X	X	X	X

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: See page 1 of 2.	Date: 7/15/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/16/25	Time: 937
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version 19Sept24

CUSTODY SEALS: See page 1 of 2.

7/30/2025

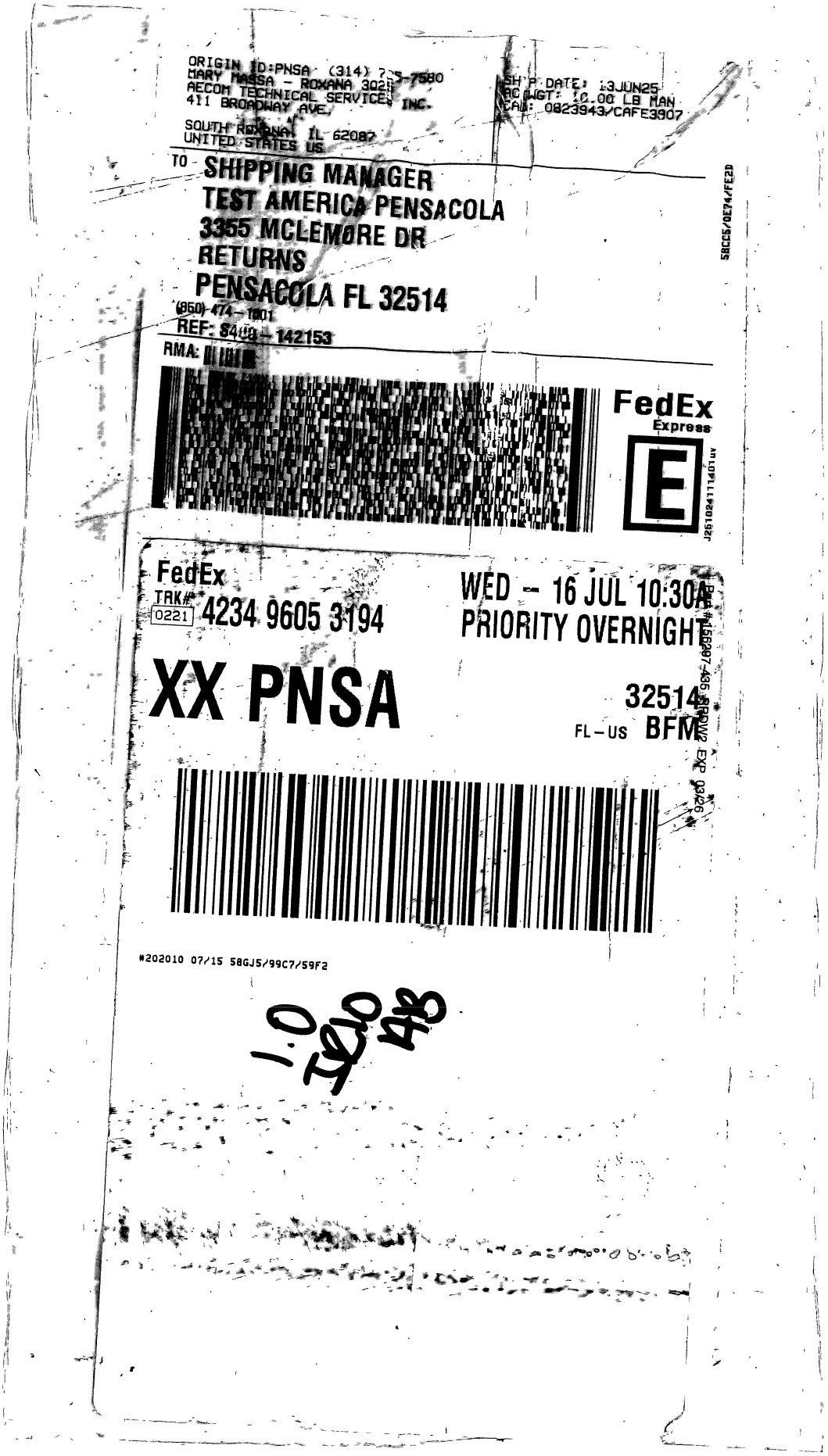
Sample Control Checklist

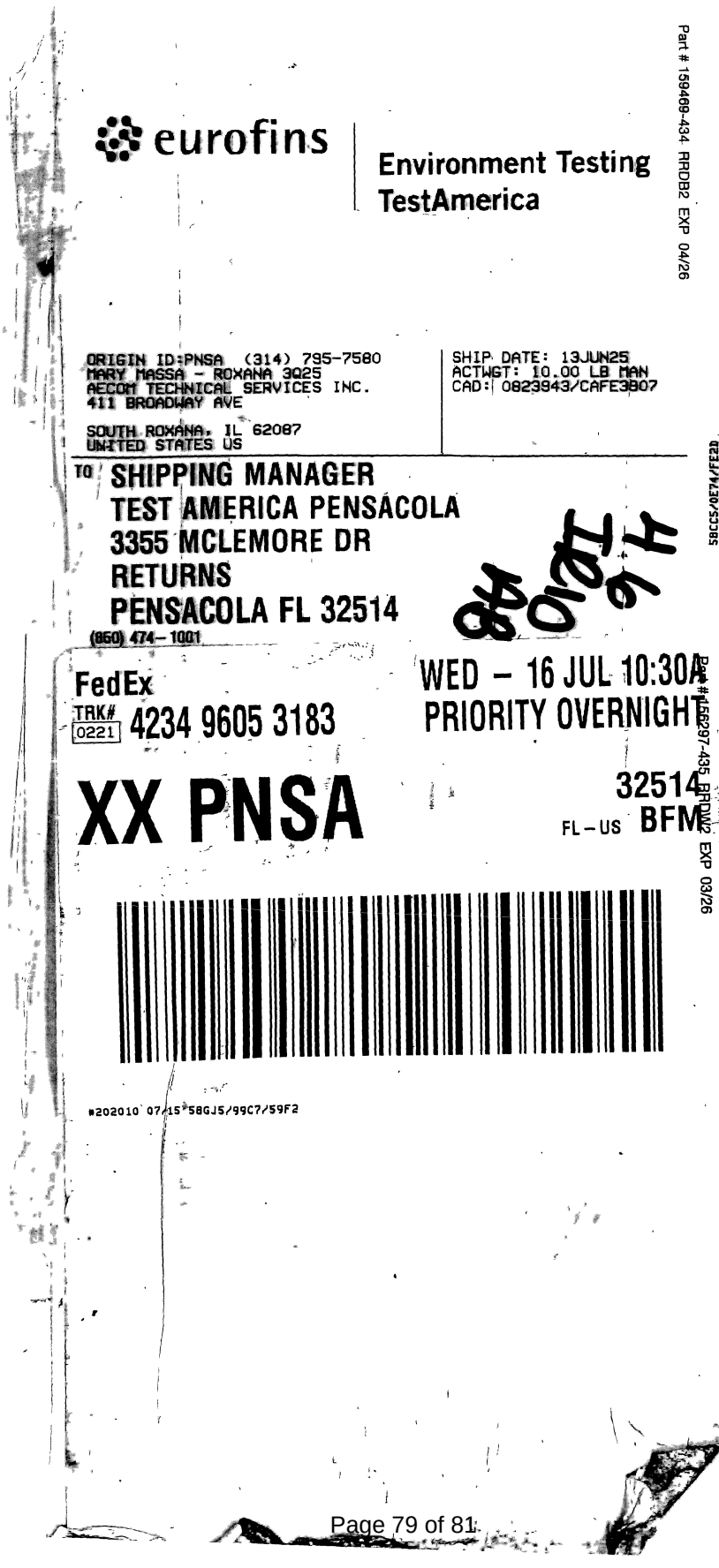
400-279298 Login
PM: Klingensmith, Leah
Company: AECOM

Inspected by: AB
Labeled by: [illegible] [illegible]
2nd Review: [illegible]
Sample Storage: [illegible]
COC Signed/Dated: AB
COC Temp/IR Gun Listed: AB

Logged by: AB

Notes:


ORIGIN ID:PNSA (314) 7[illegible]-7580
MARY MASSA - ROXANA 3025
AECOM TECHNICAL SERVICES, INC.
411 BROADWAY AVE.
SOUTH ROXANA IL 62087
UNITED STATES US
SHIP DATE: 13JUN25
ACTWGT: 10.00 LB MAN
CAD: 0823943/CAFE3907
TO SHIPPING MANAGER
TEST AMERICA PENSACOLA
3355 MCLEMORE DR
RETURNS
PENSACOLA FL 32514
(850) 474-1001
REF: S4[illegible]-142153
RMA:
FedEx
Express
FedEx
TRK# 0221 4234 9605 3194
WED - 16 JUL 10:30A
PRIORITY OVERNIGHT
XX PNSA
32514
FL-US BFM
#202010 07/15 58GJ5/99C7/59F2
1.0 LBS
5BCC5/0E74/FE2D
J2510241111401un
Ref #156907-496 BRDW2 EXP 0826



eurofins | Environment Testing TestAmerica

Part # 159469-434 RRDB2 EXP 04/26

ORIGIN ID:PNSA (314) 795-7580
MARY MASSA - ROXANA 3Q25
AECOM TECHNICAL SERVICES INC.
411 BROADWAY AVE
SOUTH ROXANA, IL 62087
UNITED STATES US

SHIP DATE: 13JUN25
ACTWGT: 10.00 LB MAN
CAD: 0823943/CAFE3807

TO SHIPPING MANAGER
TEST AMERICA PENSACOLA
3355 MCLEMORE DR
RETURNS
PENSACOLA FL 32514
(850) 474-1001

FedEx
TRK# 0221 4234 9605 3183

WED - 16 JUL 10:30A
PRIORITY OVERNIGHT

XX PNSA

32514
FL-US BFM

#202010 07/15 58GJ5/99C7/59F2

Part # 158297-435 RRDW2 EXP 03/26

SCCS/E14/FE20

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-279298-1

Login Number: 279298
List Number: 1
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins 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°C, 4.6°C IR10
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
Job ID: 400-279298-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins 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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	07-30-25
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Appendix D

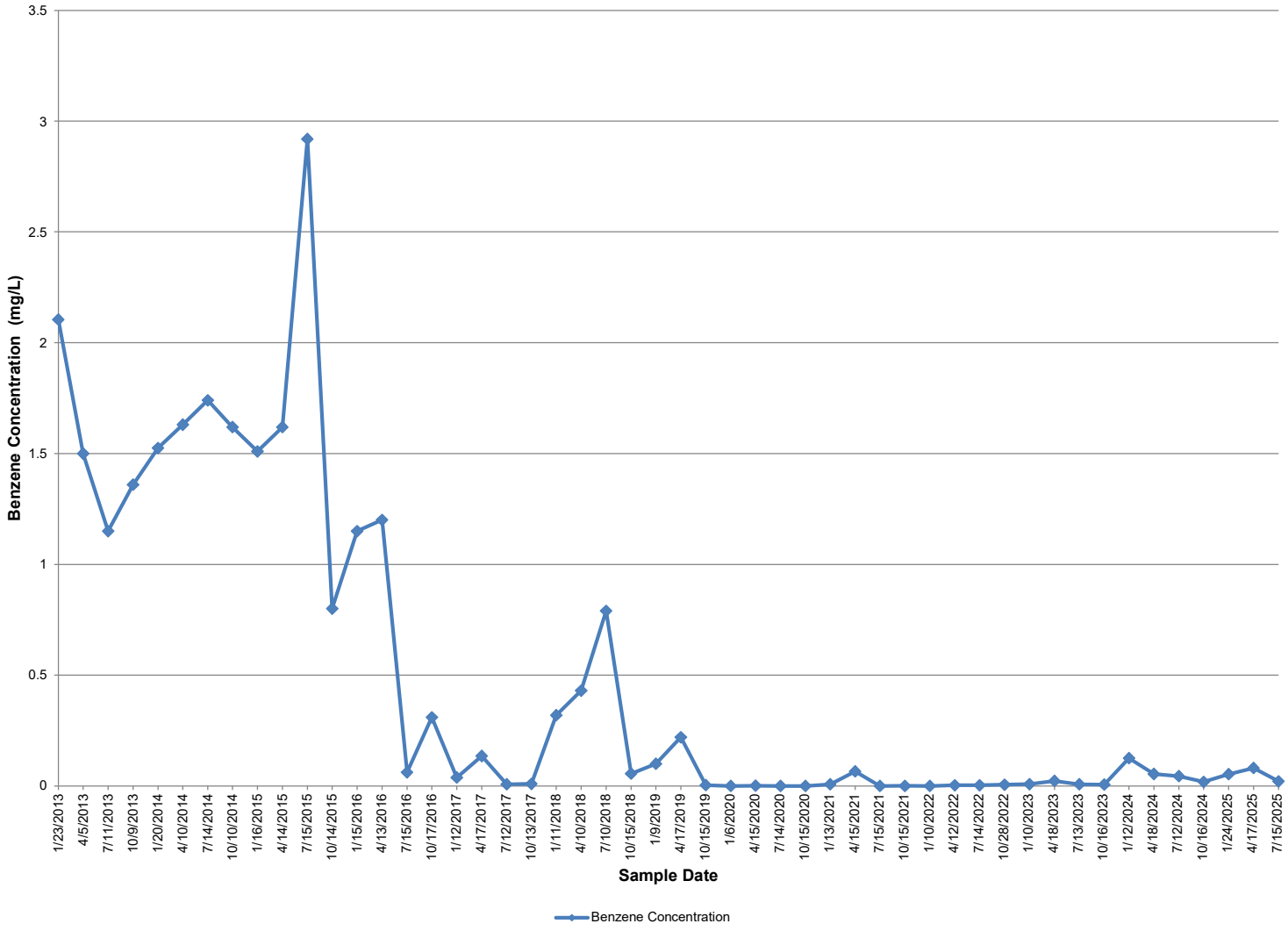
Appendix D – 1 Charts – Benzene Concentrations Over Time

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

4th Street Area

Benzene Concentrations Over Time - MW-22



Notes:

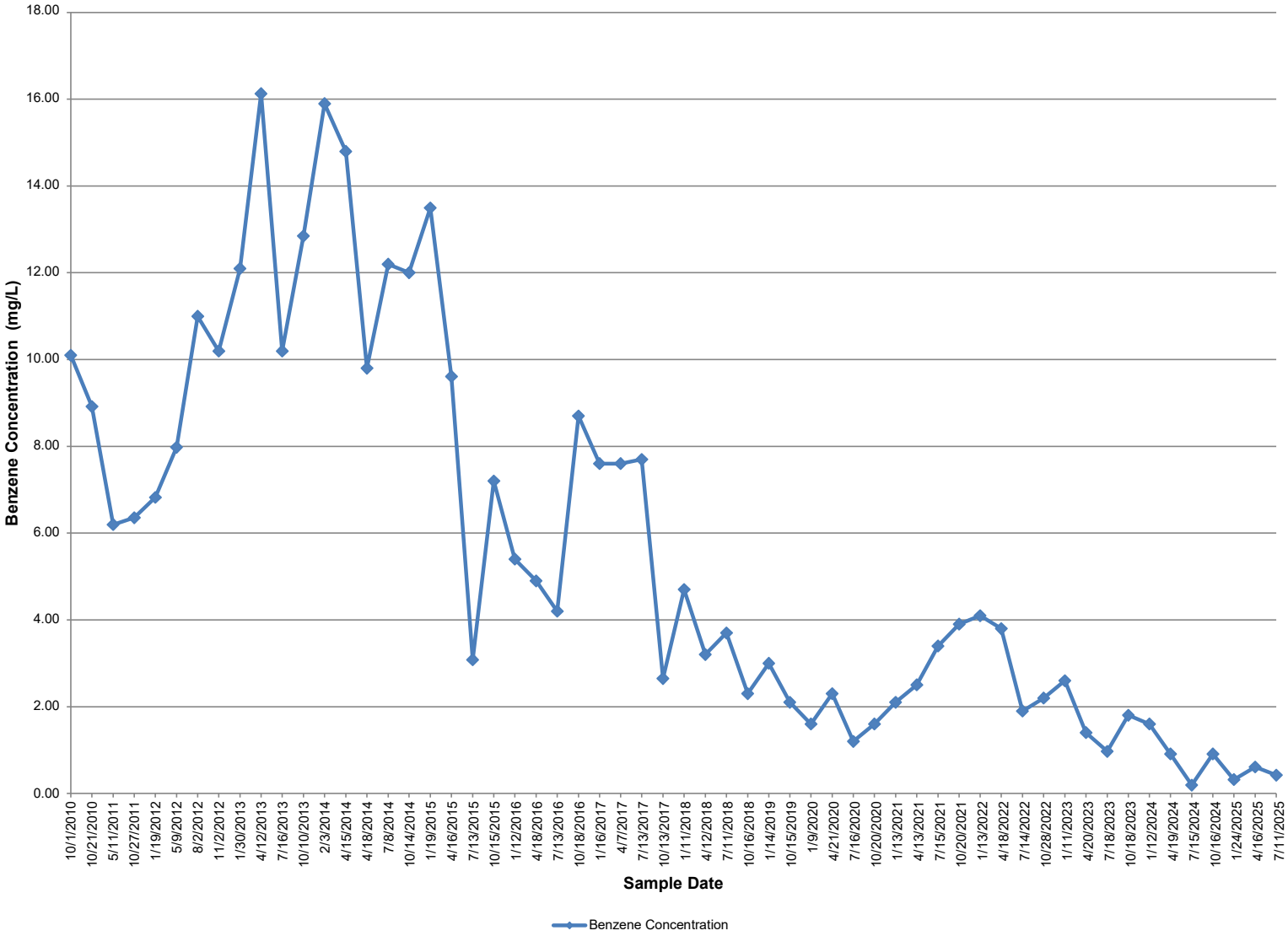
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.

Benzene Concentrations Over Time - P-59

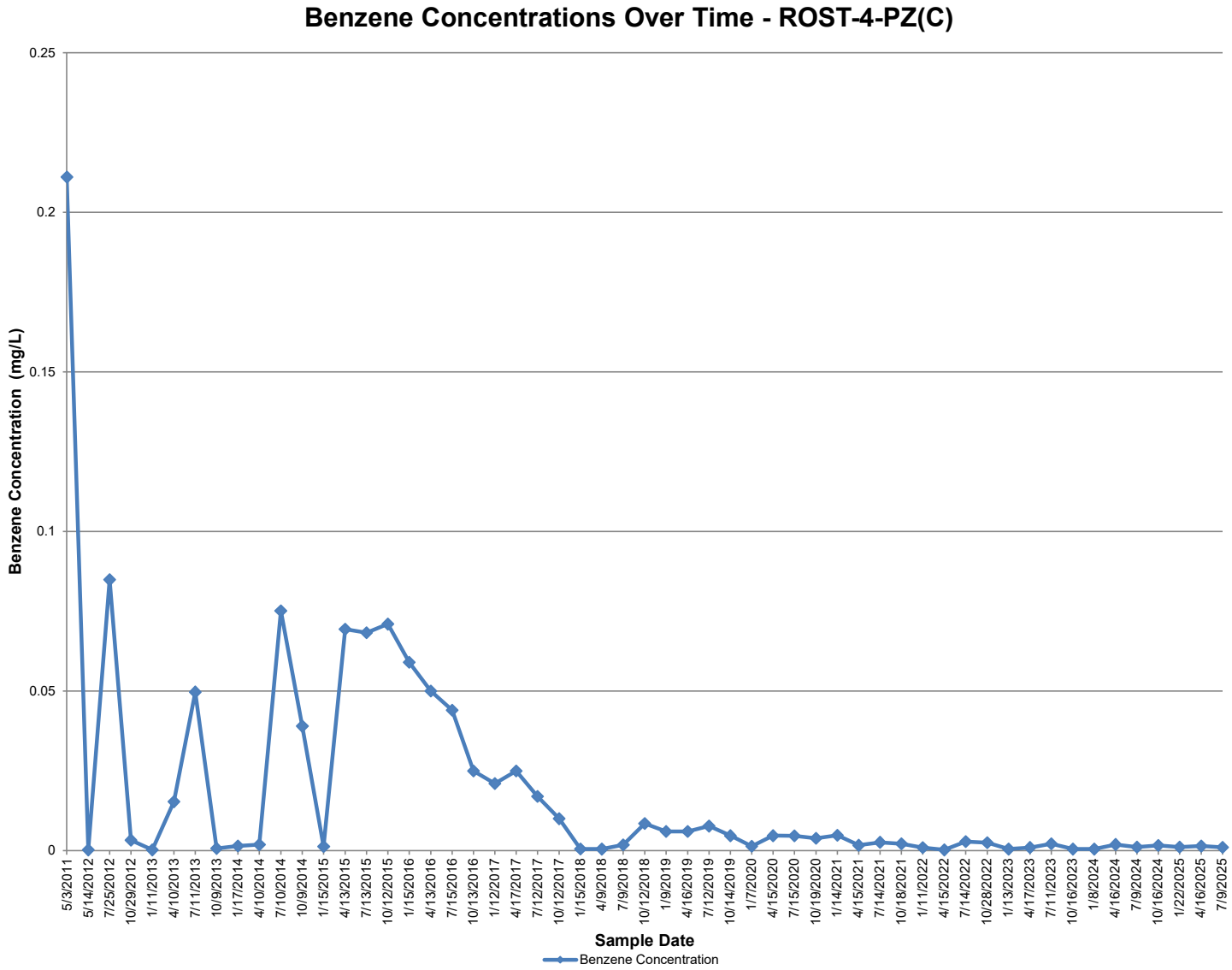


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



Notes:

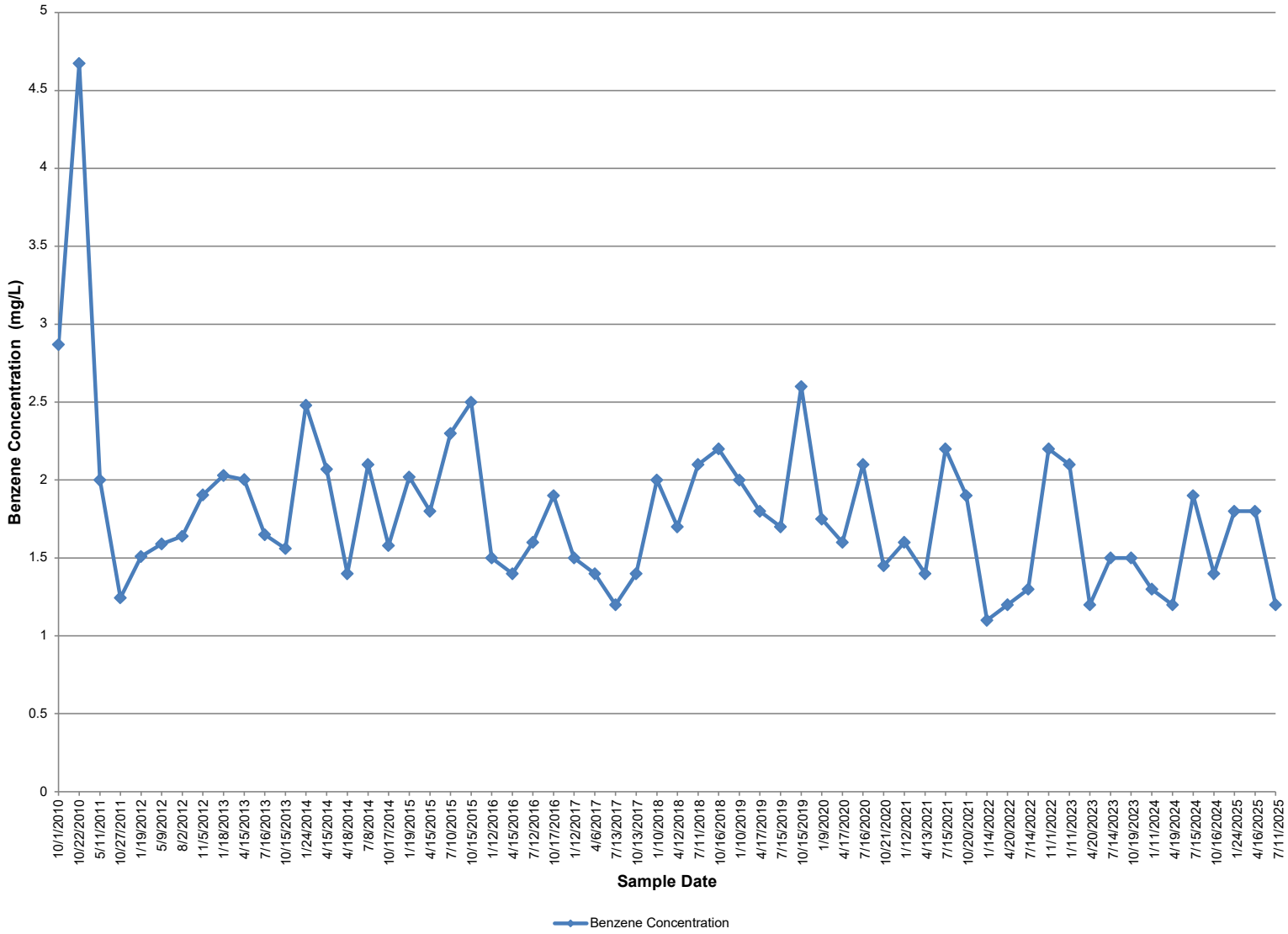
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.

Benzene Concentrations Over Time - T-12



Notes:

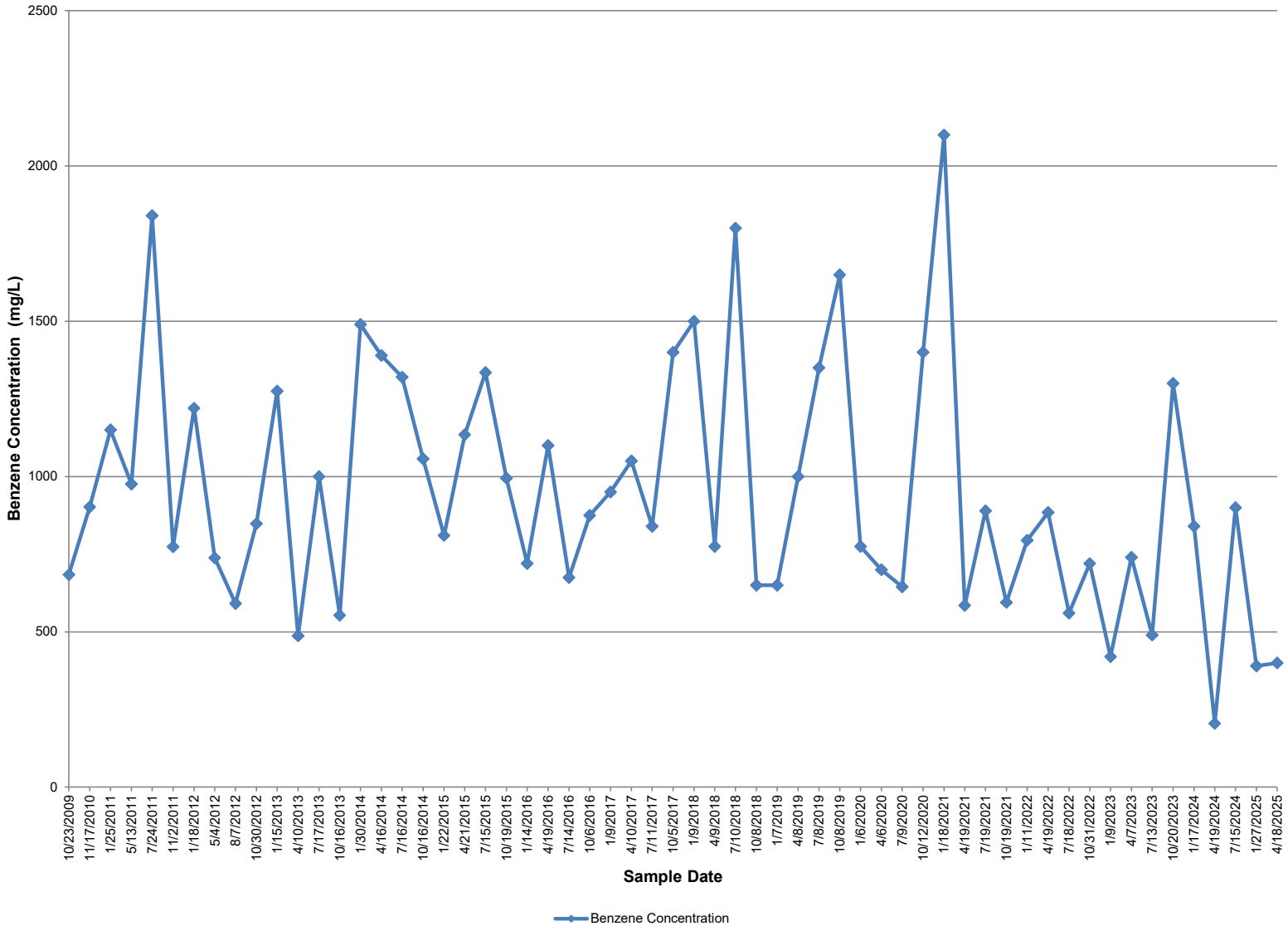
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Public Works Yard Area

Benzene Concentrations Over Time - MW-07

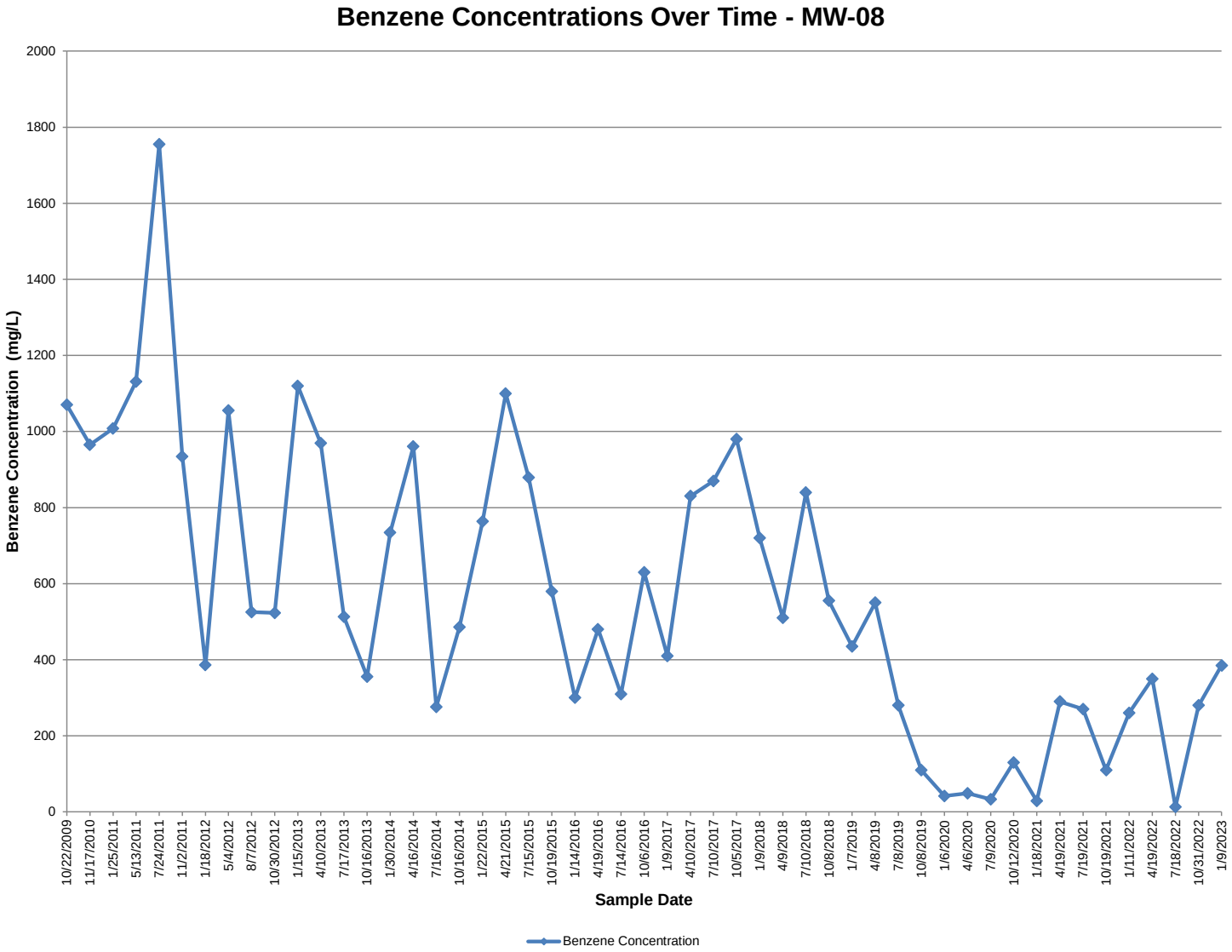


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



Notes:

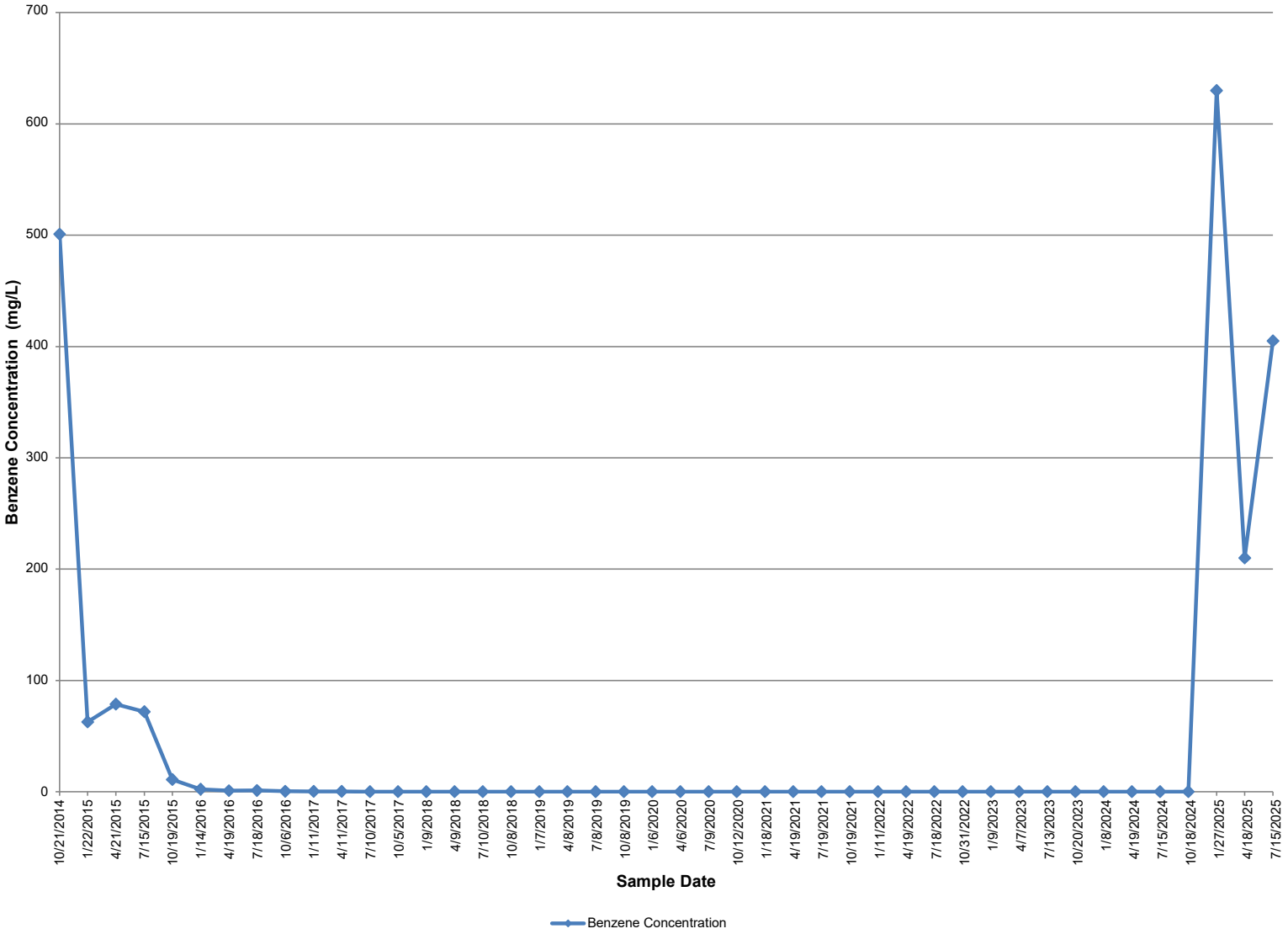
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Well MW-8 was abandoned on January 10, 2023 after 1Q23 quarterly sampling. Abandonment of MW-8 was approved with conditions in the August 22, 2022 IEPA letter (IEPA 2022) in response to the PWY SEE Work Plan (AECOM 2022a); installation of MW-8A and MW-8B is planned as part of the post-SEE system activities.

Benzene Concentrations Over Time - MW-25



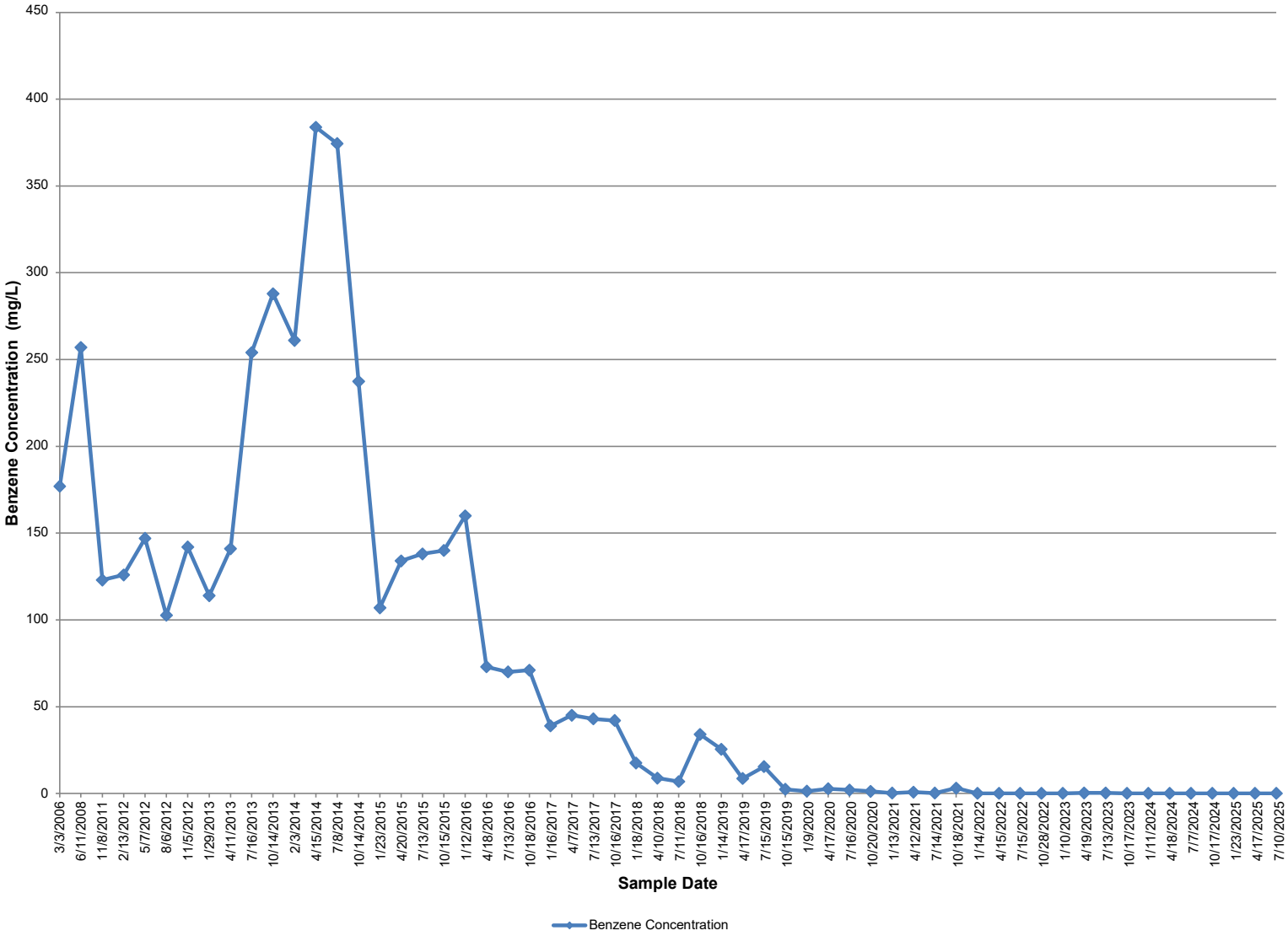
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Benzene Concentrations Over Time - P-57



Notes:

mg/L = milligrams per liter

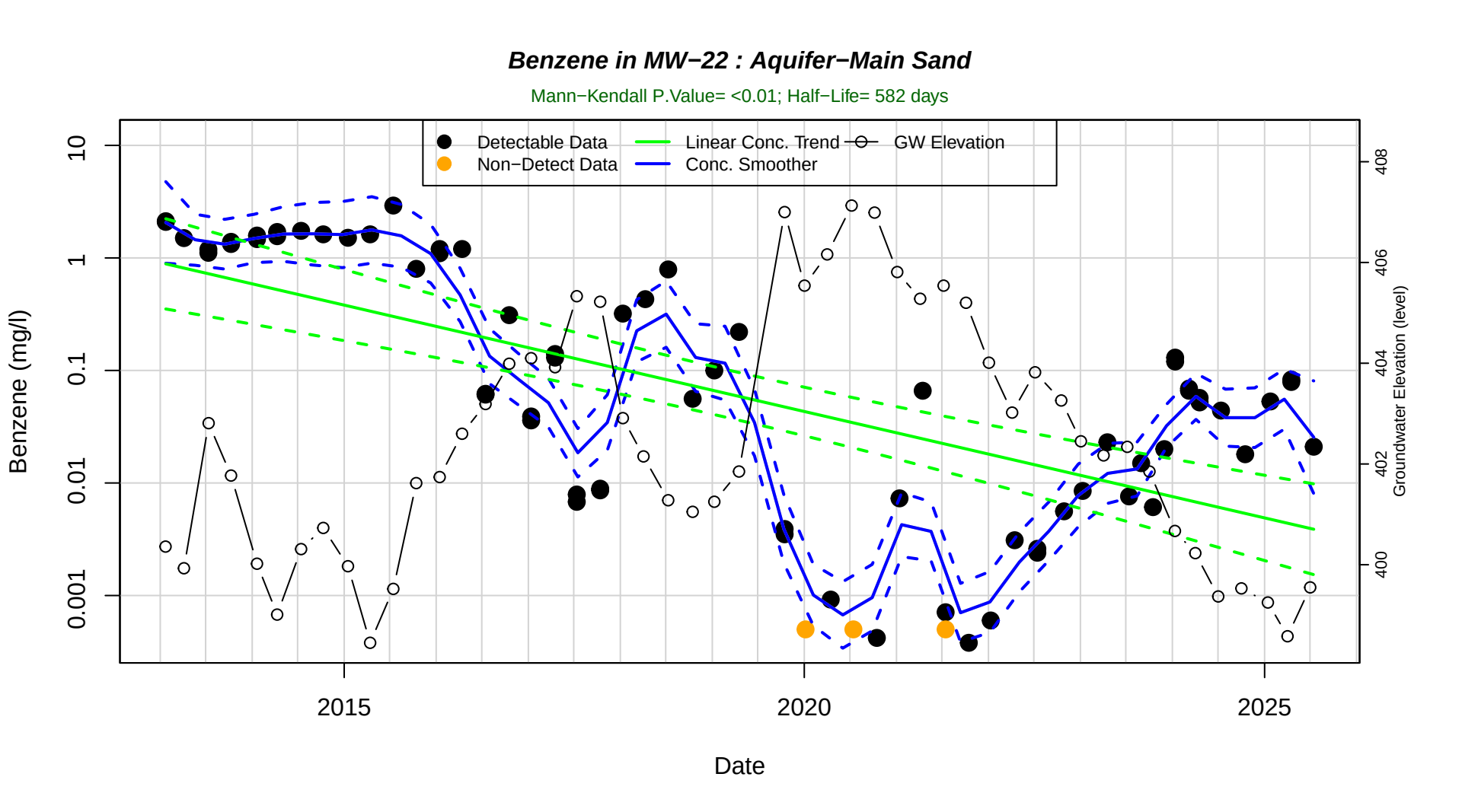
Duplicate values were averaged.

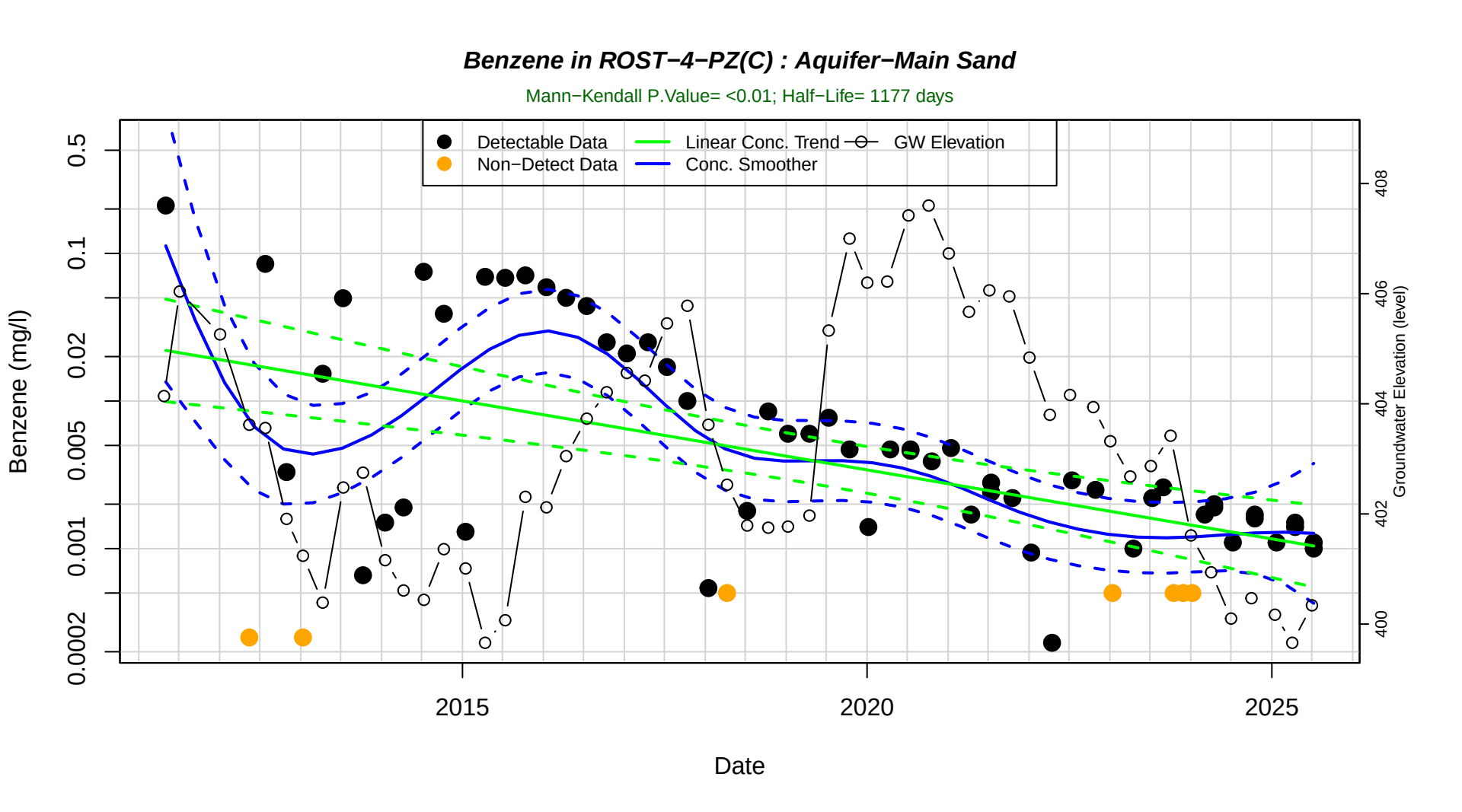
Timeframe specific to available data.

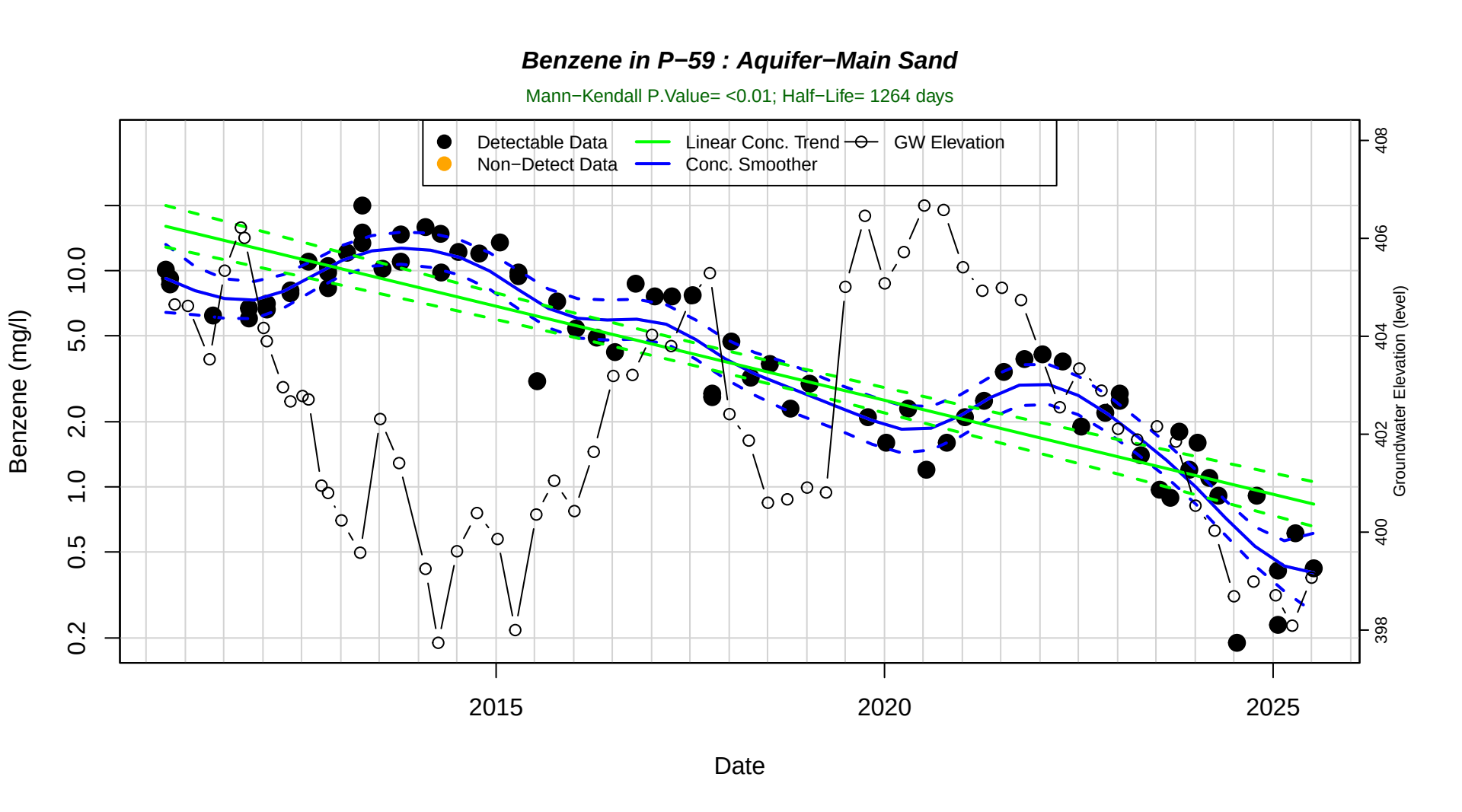
GWSDAT Summary/Legend

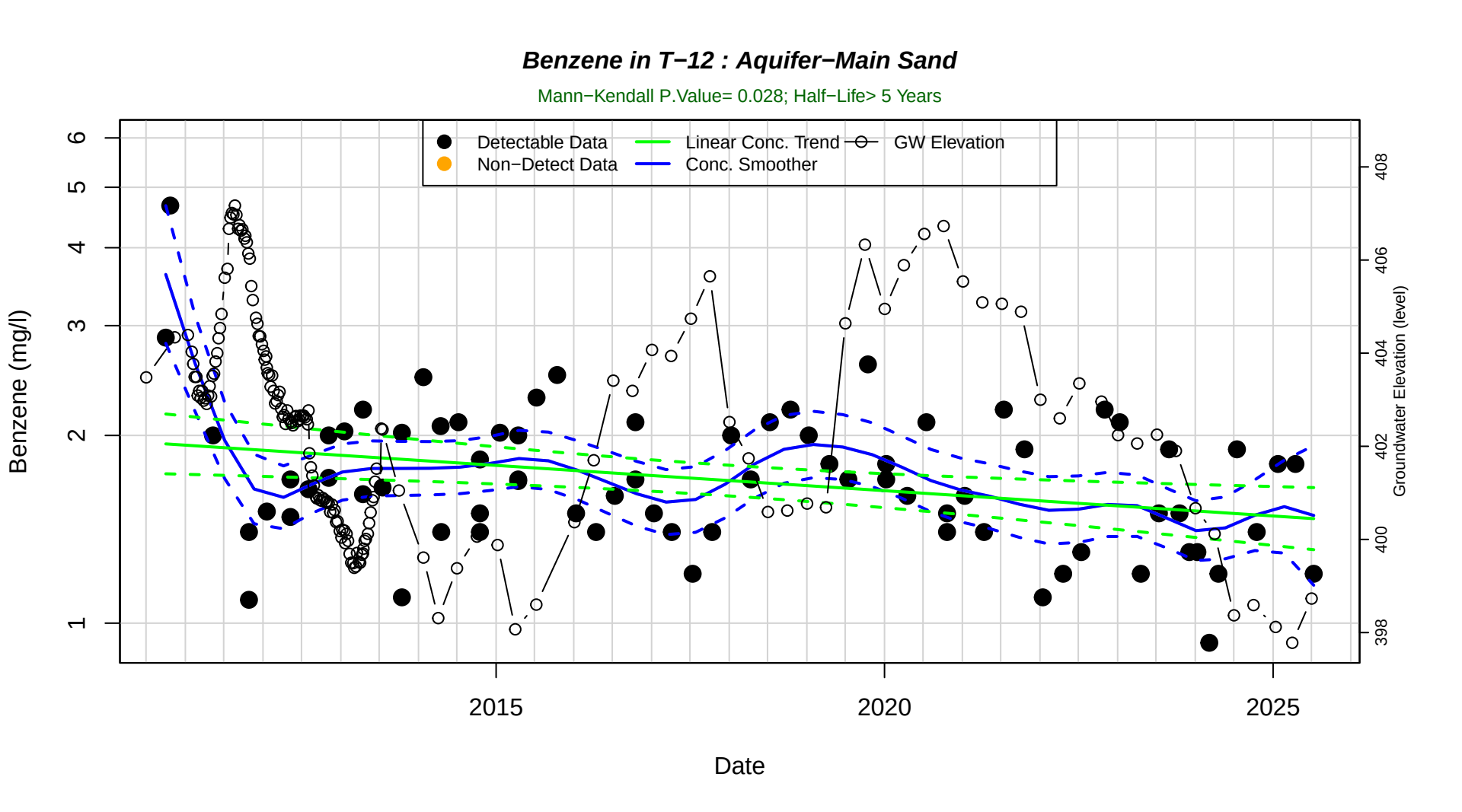
Black Solid Data Points	=	Detections
Orange Solid Data Points	=	Non-Detects
Black-Hollow Data Points	=	Groundwater Elevation
Solid Blue Line	=	Smoothed estimate of the mean trend
Dashed Blue Line	=	95% confidence interval around the estimated mean trend
Solid Green Line	=	Linear trend estimate (Mann-Kendall Analysis)
Dashed Green Line	=	95% confidence interval around linear trend estimate

4th Street Area

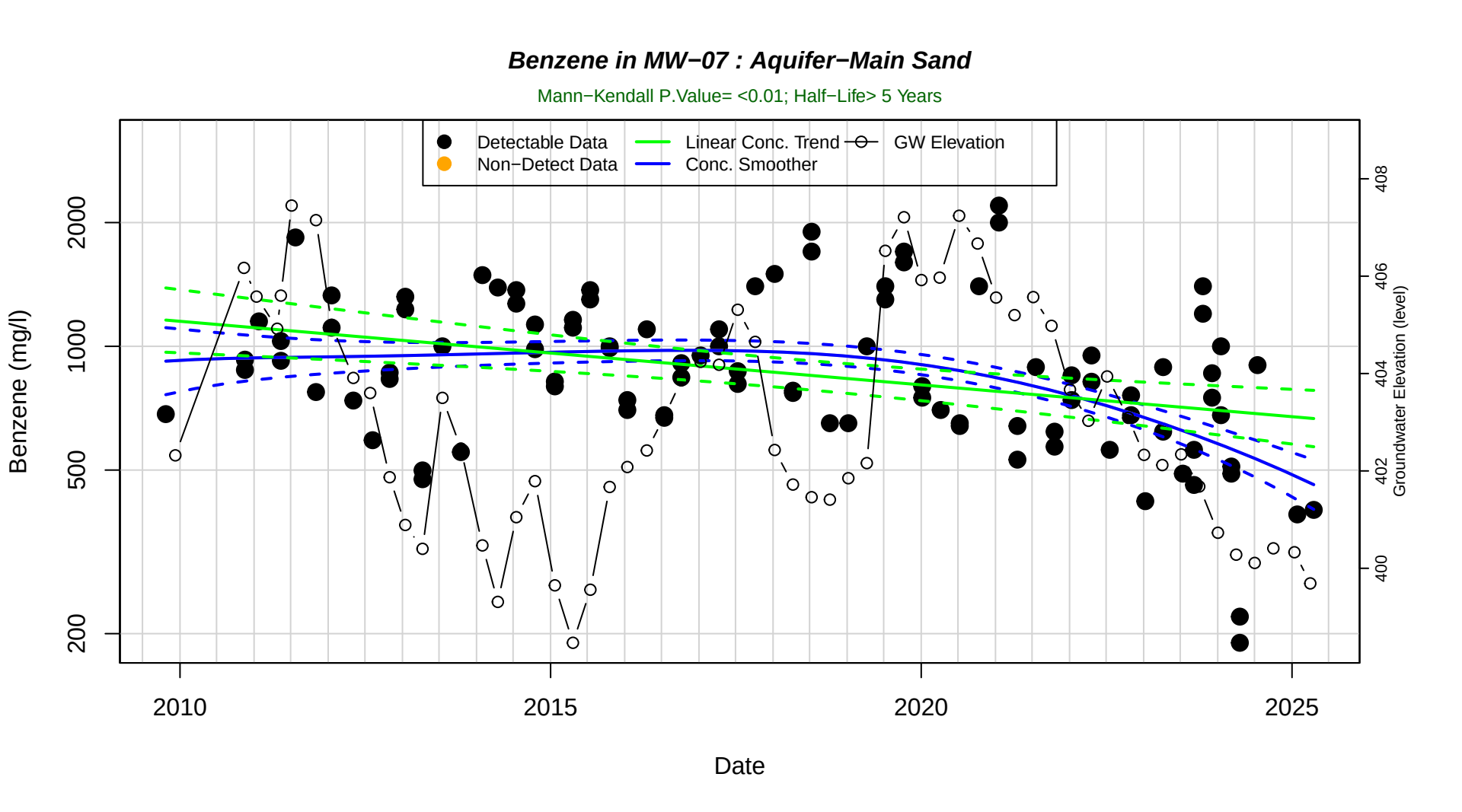

Benzene in MW−22 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 582 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.001
0.01
0.1
1
10
Groundwater Elevation (level)
400
402
404
406
408
2015
2020
2025
Date

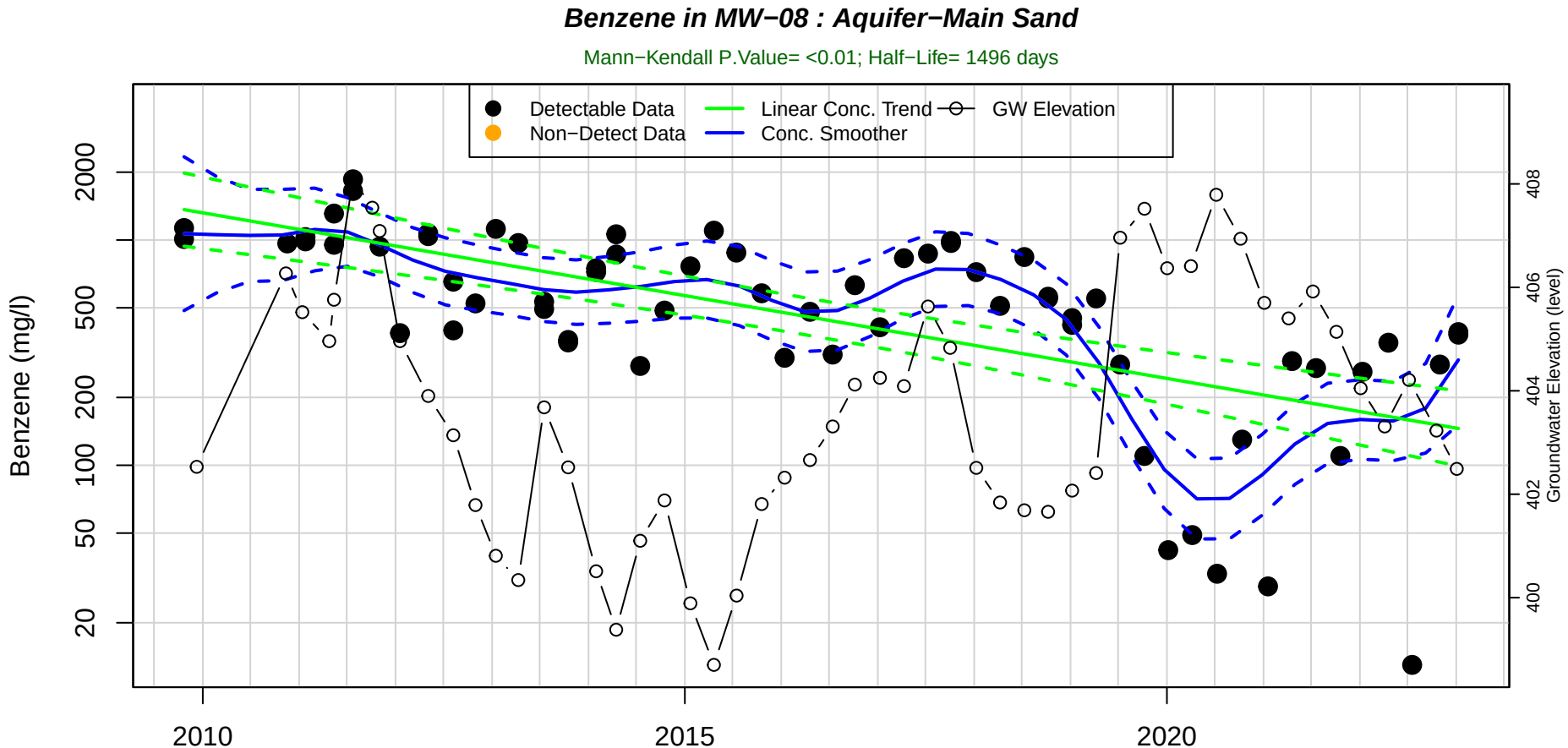

Benzene in ROST−4−PZ(C) : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 1177 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.5
0.1
0.02
0.005
0.001
0.0002
2015
2020
2025
Date
408
406
404
402
400
Groundwater Elevation (level)


Benzene in P−59 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 1264 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.2
0.5
1.0
2.0
5.0
10.0
Groundwater Elevation (level)
398
400
402
404
406
408
2015
2020
2025
Date

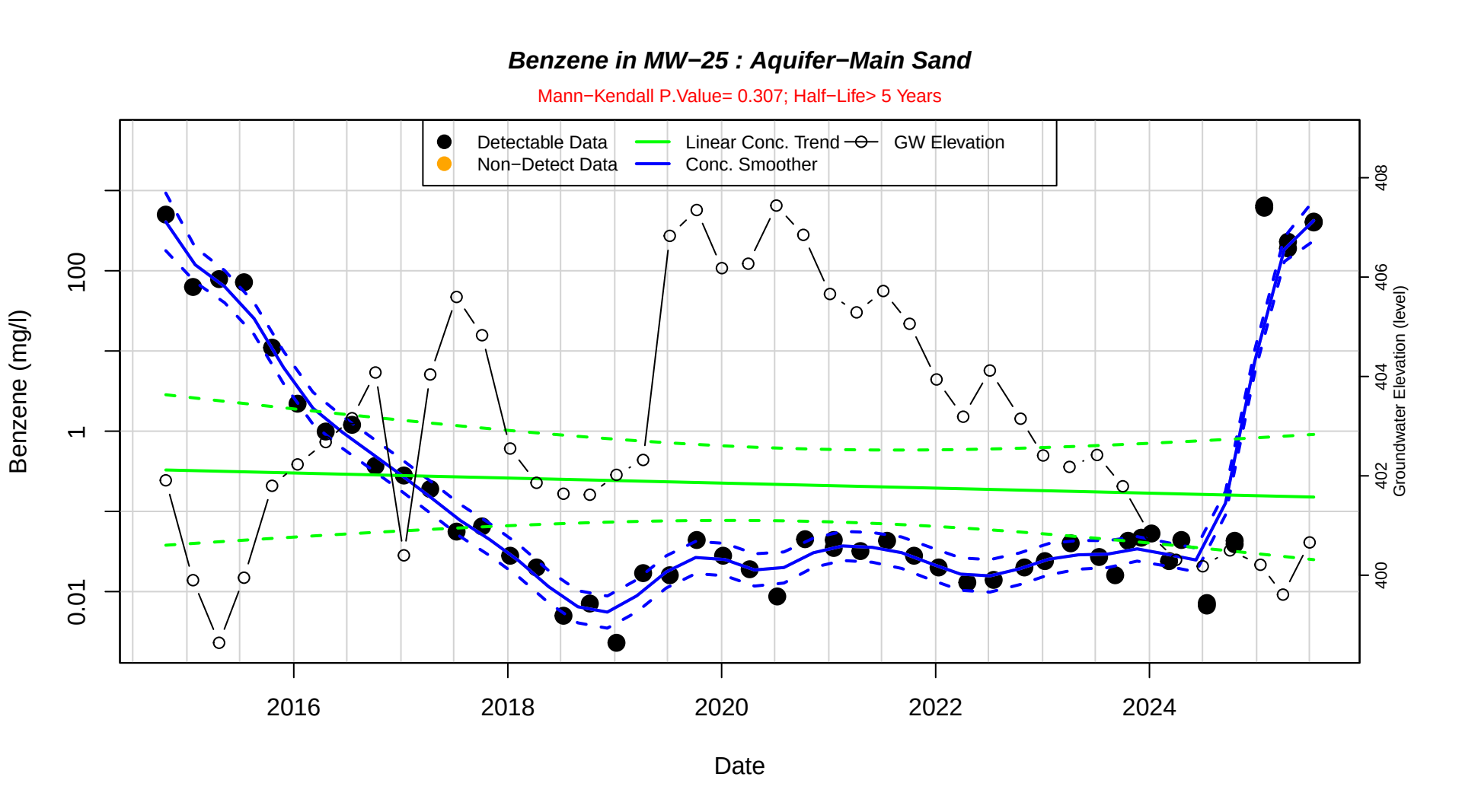

Benzene in T−12 : Aquifer−Main Sand
Mann−Kendall P.Value= 0.028; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
Groundwater Elevation (level)
Date
1
2
3
4
5
6
398
400
402
404
406
408
2015
2020
2025

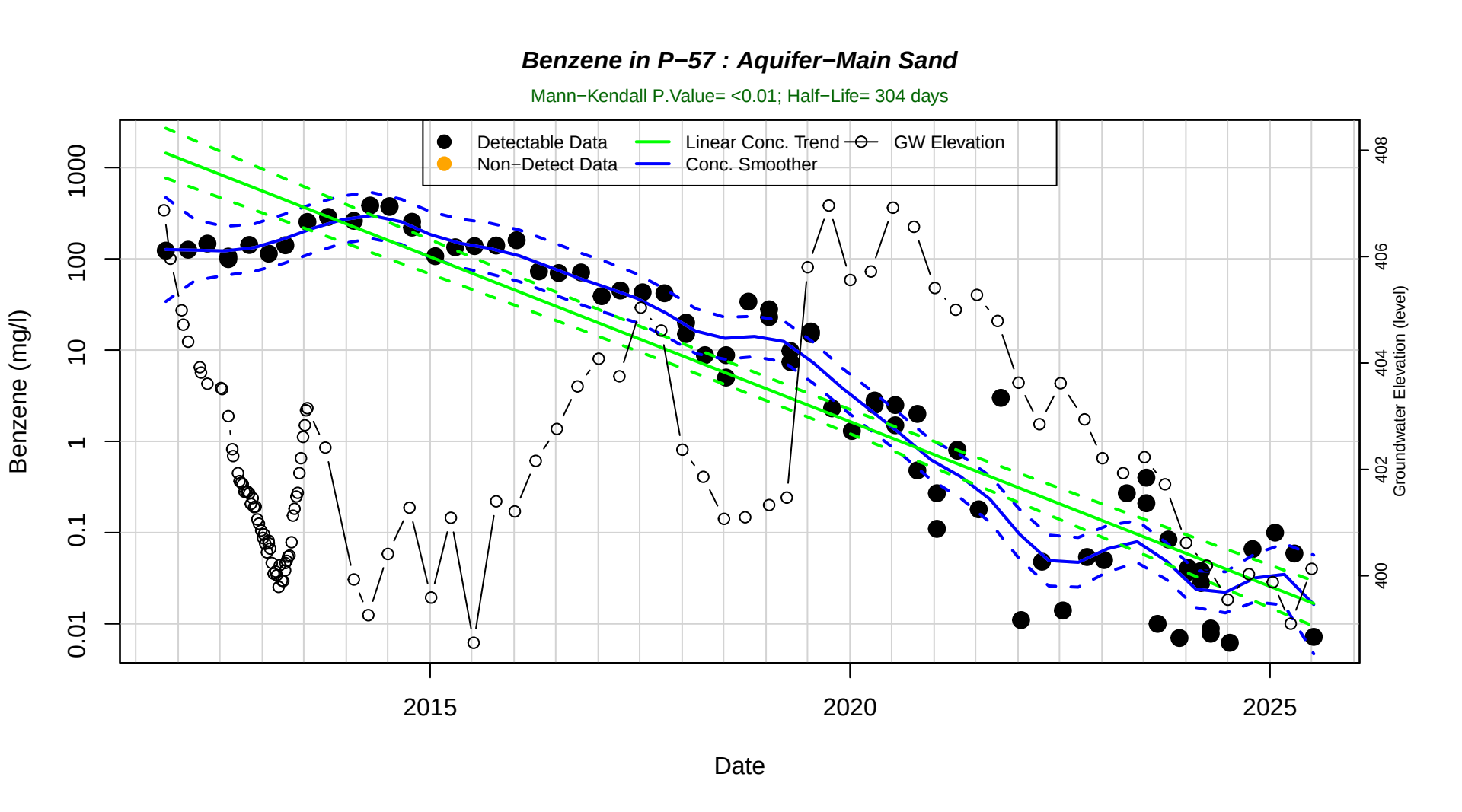
Public Works Yard Area


Benzene in MW−07 : Aquifer−Main Sand
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)
200
500
1000
2000
Groundwater Elevation (level)
400
402
404
406
408
2010
2015
2020
2025
Date



Note: Well MW-8 was abandoned on January 10, 2023 after 1Q23 quarterly sampling. Abandonment of MW-8 was approved with conditions in the August 22, 2022 IEPA letter (IEPA 2022) in response to the PWY SEE Work Plan (AECOM 2022a).


Benzene in MW−25 : Aquifer−Main Sand
Mann−Kendall P.Value= 0.307; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.01
1
100
2016
2018
2020
2022
2024
Date
400
402
404
406
408
Groundwater Elevation (level)


Benzene in P−57 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 304 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.01
0.1
1
10
100
1000
2015
2020
2025
Date
400
402
404
406
408
Groundwater Elevation (level)

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