Illinois Environmental Protection Agency

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RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

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

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

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

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

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

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

☐ LPC-160 Forms

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

☑ Groundwater Data (without LPC-160 Forms)

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

☐ Well Construction Information

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

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

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

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

☐ Gas Monitoring Reports

☑ Other (identify)

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
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aecom.com

July 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 – 2nd 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: 2nd 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
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Michelle Knapp, Atlantic Richfield Company
Tonya Lewis, Shell
Pierre Espejo, Shell
Repositories - Roxana Public Library, website

AECOM

2nd Quarter 2025 Report

Roxana Interim Groundwater Monitoring Program

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

Project number: 60738191

July 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

# Hard Copies	PDF Required	Association / Company Name
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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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 2nd Quarter 2025 (2Q25) 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."

There was no groundwater-related regulatory correspondence between AECOM, on behalf of Shell, and the IEPA during this reporting period (April 2025 through June 2025); prior regulatory-related correspondences can be found in **Appendix A**.

Groundwater samples were collected and analyzed during 2Q25 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 2Q25 quarterly groundwater gauging event, LNAPL was observed in groundwater monitoring wells ROST-4-PZ, ROST-4-PZ(D), and ROST-4-PZ(E). Fluid level measurements were collected weekly from groundwater monitoring wells ROST-4-PZ, ROST-4-PZ(D), and ROST-4-PZ(E) as outlined in the IEPA's letter dated March 14, 2012 (IEPA, 2012a). On April 23, 2025 after two consecutive weeks of no LNAPL observed, the weekly gauging of groundwater monitoring wells ROST-4-PZ and ROST-4-PZ(E) ceased.

2.3 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between April 1st and 3rd, 2025. The gauging activities were conducted in conjunction with the 2Q25 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 April 4th through 18th, 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-7, 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

[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.

measured and recorded after every flow-through cell volume. Once stabilization was achieved or a maximum purge time of two hours was reached, groundwater samples were collected for VOCs and semi-volatile organic compound (SVOC) analysis.

Groundwater monitoring wells located inside the WRR and designated for sampling in the Interim Groundwater Monitoring Program, P-55R, P-66, and P-68, contained LNAPL when gauged and, therefore, were not sampled.

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

2.4 Decontamination and Investigation-Derived Waste

Decontamination

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

Investigation-Derived Waste

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

Decontamination fluid and purge water from groundwater monitoring wells MW-4, MW-7, 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 8011, for SVOCs via USEPA Method 8270E, and for Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA Method 8270E Selected Ion Monitoring (SIM). USEPA Method 8011 was used for select VOCs (1,2-dibromoethane and 1,2-dibromo-3-chloropropane) in order to achieve lower reporting limits specified in the most recent version of the Permit. Per direction from IEPA, the Interim Groundwater Monitoring Program concentration limits need to be consistent with those in the Permit.

2.6 Data Quality Review and Data Management

Laboratory data were provided in electronic form and included data qualifiers on the basis of the laboratory's quality control or to indicate sample analysis information. The data were independently reviewed and qualified by AECOM. One hundred percent of the data were subjected to a data quality review. Evaluation of the data followed procedures outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). Data qualifiers were also added by AECOM, as appropriate, and are included on **Table 3**, and in the laboratory results in **Appendix C**. The results of the data quality review are discussed in **Section 3.2**.

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

3 Groundwater Sampling Results

This section presents the results of the 2Q25 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 2Q25 event was conducted between April 1st and April 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 fallen approximately 0.55 foot since the 1Q25 gauging event. Groundwater levels in wells in the central and eastern portions of the WRR have fallen approximately 0.75 foot since the 1Q25 gauging event. Water levels are above the top of the screens in the majority of the wells gauged during the 2Q25 event. The potentiometric surface observed during the 2Q25 groundwater monitoring well gauging (**Figures 3a** and **3b**) illustrates an inward gradient with groundwater flow toward the WRR groundwater production wells.

During the 2Q25 quarterly groundwater monitoring well gauging event, LNAPL was detected in six Interim Groundwater Monitoring Program groundwater monitoring wells (P-55R, P-66, P-68, ROST-4-PZ, ROST-4-PZ(D), and ROST-4-PZ(E)) (**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 0.06 to 0.55 foot. LNAPL was observed in three groundwater monitoring wells located in the Village (ROST-4-PZ, ROST-4-PZ(D), and ROST-4-PZ(E)). LNAPL thicknesses in these wells ranged from 0.01 to 0.15 feet. **Figures 4a** and **4b** illustrate the measured LNAPL thickness observed along the West Fenceline and inside the refinery, respectively, during the 2Q25 gauging event. Measured LNAPL thickness and the number of locations where it was observed during the 2Q25 quarterly gauging events was generally comparable to that observed in 1Q25.

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 2Q25, LNAPL was observed in groundwater monitoring wells P-55R and P-66 located on WRR property and ROST-4-PZ(D) located in the Village, 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 15 sample delivery groups (SDGs) were prepared and sent to EETA Southeast for the 2Q25 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 2Q25 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 15 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 1Q25 sampling event, with the exception of benzene and phenol in 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
- Naphthalene
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethlybenzene
- 2-Methylnaphthalene
- Phenol

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 2Q25. These findings are generally consistent with the results from previous sampling events, with the exception of benzene and phenol in 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

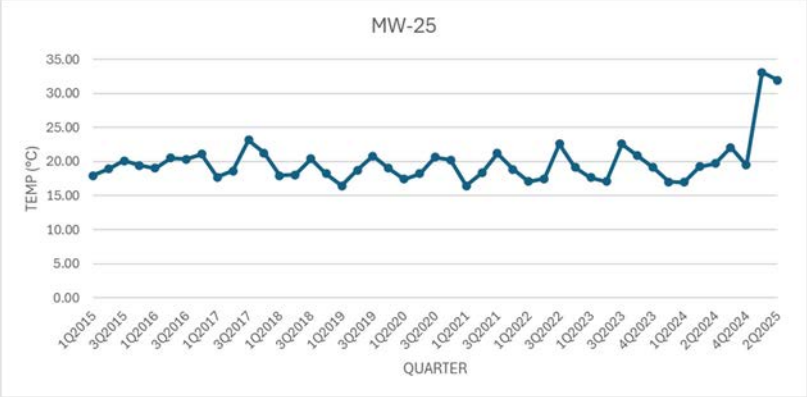
Beginning in 2Q21, a Mann-Kendall analysis of the analytical benzene results from the eight sampled groundwater wells in the 4th Street and Public Works Yard areas was conducted. The Mann-Kendall analysis was performed using

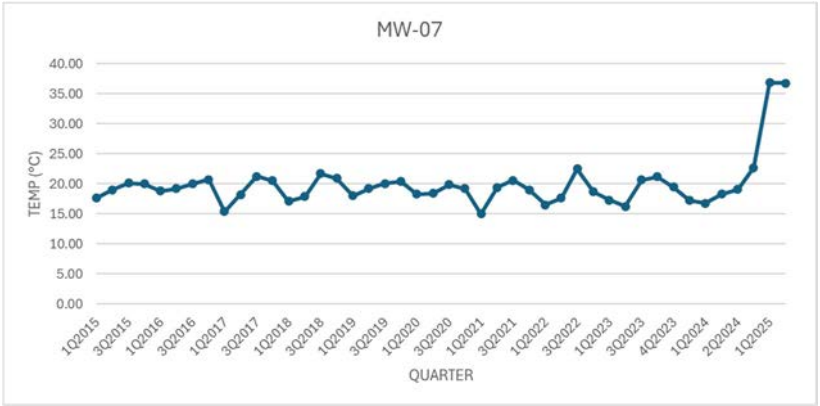
[3] IEPA requested that the Interim Groundwater Monitoring Program be consistent with the RCRA Part B Permit.
[4] In a meeting with IEPA on April 5, 2018, the AECOM presentation included benzene concentration trend plots pertinent to GMZ discussion. IEPA verbally requested that benzene concentration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

GWSDAT (GroundWater Spatio-Temporal Data Analysis Tool). As of 2Q25, statistically significant downward trends were displayed for six wells, no wells displayed statistically significant increasing trends, and the remaining two wells displayed trends that are not statistically significant[5]. Results from the Mann-Kendall analysis conducted via GWSDAT are presented in **Appendix D-2**.

Monitoring Well MW-25

The benzene and phenol concentrations in MW-25 during 2Q25 were 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). Temperature readings from MW-25 during the 1Q25 and 2Q25 sampling events were elevated. Groundwater flow direction in the vicinity of the former PWY during 1Q25 and 2Q25 is to the 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. 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. 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 after the SEE system ceased operations. 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 2Q25 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

- During 2Q25, groundwater level data indicate groundwater flow from the Investigation Area is moving toward groundwater production wells at the WRR. Groundwater levels in most wells in the vicinity of the West Fenceline have fallen approximately 0.55 foot since the 1Q25 gauging event. Groundwater levels in most wells in the central and eastern portion of the WRR have fallen approximately 0.75 foot since the 1Q25 gauging event.
- Measured LNAPL thickness and the number of locations where it was observed during the 2Q25 quarterly gauging events was generally comparable to that observed in 1Q25. 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 3Q25 Roxana Interim Groundwater Monitoring program.
- The analytical results from 2Q25 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 were confirmed by the laboratory and in a duplicate sample. Groundwater flow direction in the vicinity of the former PWY during 2Q25 is to the 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. Well MW-25 will be sampled during the 3Q25 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

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

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, 2024 (AECOM, 2024); *Shell GESS Health and Safety Plan: Rand Avenue, Roxana / Route 111, and WRR Investigation and Remediation, and Site 15 Inspection*. Prepared for Shell Oil Products US (Shell), dated January 17, 2025.

Illinois Environmental Protection Agency, 2007 (IEPA, 2007); 35 Illinois Administrative Code 742, Tiered Approach to Corrective Action Objectives. Appendix B. *Table E – Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route*. Effective February 23, 2007; accessed on June 25, 2025.

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

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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											
3Q24	442.83	7/1/2024	NE	43.01	NA	NA	NA	399.82	394.03 - 384.03 (48.80 - 58.80)	0.0	*
4Q24		10/2/2024	NE	42.80	NA	NA	NA	400.03		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	*
MW-02											
3Q24	443.93	7/1/2024	NE	44.44	NA	NA	NA	399.49	394.06 - 384.06 (49.87 - 59.87)	220.8	*
4Q24		10/1/2024	NE	44.20	NA	NA	NA	399.73		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	*
MW-03											
3Q24	430.23	7/1/2024	NE	29.74	NA	NA	NA	400.49	395.56 - 385.56 (34.67 - 44.67)	0.0	*
4Q24		10/2/2024	NE	29.68	NA	NA	NA	400.55		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	*
MW-04											
3Q24	441.31	7/1/2024	NE	41.26	NA	NA	NA	400.05	396.25 - 386.25 (45.06 - 55.06)	0.0	*
4Q24		10/2/2024	NE	41.00	NA	NA	NA	400.31		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	*
MW-05											
3Q24	429.98	7/1/2024	NE	29.42	NA	NA	NA	400.56	396.01 - 386.01 (33.97 - 43.97)	0.0	*
4Q24		10/2/2024	NE	29.28	NA	NA	NA	400.70		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	*
MW-06A											
3Q24	432.33	7/1/2024	NE	31.52	NA	NA	NA	400.81	398.48 - 388.48 (33.85 - 43.85)	0.0	*
4Q24		10/2/2024	NE	31.28	NA	NA	NA	401.05		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	*
MW-06B											
3Q24	432.37	7/1/2024	NE	31.58	NA	NA	NA	400.79	368.32 - 363.32 (64.05 - 69.05)	0.0	*
4Q24		10/2/2024	NE	31.33	NA	NA	NA	401.04		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	*
MW-06C											
3Q24	432.18	7/1/2024	NE	31.37	NA	NA	NA	400.81	347.23 - 342.23 (84.95 - 89.95)	0.0	*
4Q24		10/2/2024	NE	31.10	NA	NA	NA	401.08		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	*
MW-06D											
3Q24	432.06	7/1/2024	NE	31.21	NA	NA	NA	400.85	327.34 - 322.34 (104.72 - 109.72)	0.0	*
4Q24		10/2/2024	NE	30.95	NA	NA	NA	401.11		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	*
MW-07											
3Q24	443.31	7/1/2024	NE	43.20	NA	NA	NA	400.11	400.39 - 390.39 (42.92 - 52.92)	0.0	
4Q24		10/1/2024	NE	42.90	NA	NA	NA	400.41		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	
MW-09											
3Q24	445.28	7/1/2024	NE	44.91	NA	NA	NA	400.37	399.24 - 389.24 (46.04 - 56.04)	0.0	*
4Q24		10/1/2024	NE	44.85	NA	NA	NA	400.43		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	*
MW-10											
3Q24	445.06	7/1/2024	NE	45.08	NA	NA	NA	399.98	400.63 - 390.63 (44.43 - 54.43)	0.0	
4Q24		10/1/2024	NE	44.95	NA	NA	NA	400.11		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	

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											
3Q24	442.38	7/1/2024	NE	42.78	NA	NA	NA	399.60	400.72 - 390.72 (41.66 - 51.66)	0.0	
4Q24		10/1/2024	NE	42.65	NA	NA	NA	399.73		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	
MW-12											
3Q24	442.64	7/1/2024	NE	42.71	NA	NA	NA	399.93	400.72 - 390.72 (41.92 - 51.92)	0.0	
4Q24		10/2/2024	NE	42.58	NA	NA	NA	400.06		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	
MW-13											
3Q24	430.30	7/2/2024	NE	28.92	NA	NA	NA	401.38	405.50 - 395.50 (24.80 - 34.80)	0.0	
4Q24		10/2/2024	NE	28.88	NA	NA	NA	401.42		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	
MW-14											
3Q24	434.61	7/2/2024	NE	33.64	NA	NA	NA	400.97	401.19 - 391.19 (33.42 - 43.42)	14.5	
4Q24		10/3/2024	NE	33.40	NA	NA	NA	401.21		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	
MW-16											
3Q24	443.60	7/1/2024	NE	44.22	NA	NA	NA	399.38	406.10 - 396.10 (37.50 - 47.50)	0.0	
4Q24		10/1/2024	NE	44.00	NA	NA	NA	399.60		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	
MW-17											
3Q24	441.78	7/1/2024	NE	43.04	NA	NA	NA	398.74	407.49 - 392.49 (34.29 - 49.29)	0.0	
4Q24		10/1/2024	NE	42.98	NA	NA	NA	398.80		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	
MW-18											
3Q24	442.24	7/1/2024	NE	43.68	NA	NA	NA	398.56	407.32 - 392.32 (34.92 - 49.92)	0.0	
4Q24		10/1/2024	NE	43.48	NA	NA	NA	398.76		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	
MW-19											
3Q24	442.98	7/1/2024	NE	44.18	NA	NA	NA	398.80	406.64 - 391.64 (36.34 - 51.34)	0.0	
4Q24		10/1/2024	NE	44.00	NA	NA	NA	398.98		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	
MW-20											
3Q24	443.86	7/1/2024	NE	44.75	NA	NA	NA	399.11	407.98 - 392.98 (35.88 - 50.88)	0.0	
4Q24		10/1/2024	NE	44.50	NA	NA	NA	399.36		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	
MW-21											
3Q24	444.01	7/1/2024	NE	44.37	NA	NA	NA	399.64	409.00 - 394.00 (35.01 - 50.01)	0.0	
4Q24		10/1/2024	NE	44.03	NA	NA	NA	399.98		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	
MW-22											
3Q24	442.38	7/1/2024	NE	43.01	NA	NA	NA	399.37	403.95 - 393.95 (38.43 - 48.43)	0.0	
4Q24		10/1/2024	NE	42.85	NA	NA	NA	399.53		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	
MW-23											
3Q24	431.57	7/1/2024	NE	30.40	NA	NA	NA	401.17	402.55 - 392.55 (29.02 - 39.02)	0.0	
4Q24		10/2/2024	NE	30.50	NA	NA	NA	401.07		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	

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											
3Q24	443.65	7/1/2024	NE	43.70	NA	NA	NA	399.95	404.04 - 394.04 (39.61 - 49.61)	0.0	
4Q24		10/1/2024	NE	43.58	NA	NA	NA	400.07		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	
MW-25											
3Q24	438.53	7/1/2024	NE	38.35	NA	NA	NA	400.18	402.94 - 392.94 (35.59 - 45.59)	0.0	
4Q24		10/2/2024	NE	38.03	NA	NA	NA	400.50		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	
MW-26											
3Q24	441.23	7/1/2024	NE	41.30	NA	NA	NA	399.93	403.08 - 393.08 (38.15 - 48.15)	0.0	
4Q24		10/2/2024	NE	41.05	NA	NA	NA	400.18		0.0	
1Q25		1/15/2025	NM	NM	NM	NM	NM	NM		NM	Inaccess ble due to parked car.
2Q25		4/1/2025	NE	41.99	NA	NA	NA	399.24		0.0	
MW-27											
3Q24	443.60	7/1/2024	NE	43.26	NA	NA	NA	400.34	403.81 - 393.81 (39.79 - 49.79)	0.0	
4Q24		10/1/2024	NE	42.63	NA	NA	NA	400.97		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	
MW-28											
3Q24	443.55	7/1/2024	NE	42.31	NA	NA	NA	401.24	409.94 - 399.94 (33.61 - 43.61)	0.0	
4Q24		10/1/2024	NE	41.83	NA	NA	NA	401.72		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	
P-01											
3Q24	442.98	7/2/2024	NE	36.93	NA	NA	NA	406.05	380.76 - 375.76 (62.22 - 67.22)	0.0	*
4Q24		10/3/2024	NE	36.51	NA	NA	NA	406.47		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	*
P-4U											
3Q24	442.74	7/2/2024	NE	38.20	NA	NA	NA	404.54	361.59 - 359.59 (81.15 - 83.15)	0.0	*
4Q24		10/3/2024	NE	37.86	NA	NA	NA	404.88		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	*
P-5L											
3Q24	444.01	7/2/2024	NE	38.10	NA	NA	NA	405.91	303.61 - 301.61 (140.40 - 142.40)	0.0	*
4Q24		10/3/2024	NE	38.12	NA	NA	NA	405.89		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	*
P-5U											
3Q24	444.42	7/2/2024	NE	39.38	NA	NA	NA	405.04	313.79 - 311.79 (130.63 - 132.63)	0.0	*
4Q24		10/3/2024	NE	39.17	NA	NA	NA	405.25		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	*
P-6U											
3Q24	443.63	7/2/2024	NE	38.88	NA	NA	NA	404.75	363.13 - 361.13 (80.50 - 82.50)	0.0	*
4Q24		10/3/2024	NE	38.77	NA	NA	NA	404.86		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	*
P-7U											
3Q24	444.08	7/2/2024	NE	39.10	NA	NA	NA	404.98	383.00 - 381.00 (61.08 - 63.08)	0.0	*
4Q24		10/3/2024	NE	39.10	NA	NA	NA	404.98		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	*
P-8U											
3Q24	442.07	7/2/2024	NE	39.20	NA	NA	NA	402.87	382.72 - 380.72 (59.35 - 61.35)	0.0	*
4Q24		10/3/2024	NE	38.95	NA	NA	NA	403.12		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	*

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											
3Q24	445.20	7/2/2024	NE	43.75	NA	NA	NA	401.45	344.61 - 342.61 (100.59 - 102.59)	0.0	*
4Q24		10/3/2024	NE	43.58	NA	NA	NA	401.62		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	*
P-11L											
3Q24	442.76	7/2/2024	NE	40.05	NA	NA	NA	402.71	332.55 - 330.55 (110.21 - 112.21)	0.0	*
4Q24		10/3/2024	NE	39.52	NA	NA	NA	403.24		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	*
P-11U											
3Q24	443.38	7/2/2024	NE	40.63	NA	NA	NA	402.75	343.46 - 341.46 (99.92 - 101.92)	0.0	*
4Q24		10/3/2024	NE	40.13	NA	NA	NA	403.25		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	*
P-14											
3Q24	443.01	7/2/2024	NE	37.05	NA	NA	NA	405.96	395.54 - 385.54 (47.47 - 57.47)	0.7	*
4Q24		10/3/2024	NE	36.62	NA	NA	NA	406.39		0.0	*
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	*
P-15											
3Q24	443.88	7/2/2024	NE	38.80	NA	NA	NA	405.08	398.43 - 388.43 (45.45 - 55.45)	0.0	*
4Q24		10/3/2024	NE	38.50	NA	NA	NA	405.38		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	*
P-16											
3Q24	442.84	7/2/2024	NE	37.55	NA	NA	NA	405.29	397.10 - 387.10 (45.74 - 55.74)	0.0	*
4Q24		10/3/2024	NE	37.55	NA	NA	NA	405.29		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	*
P-43											
3Q24	444.62	7/2/2024	NE	41.50	NA	NA	NA	403.12	381.06 - 371.06 (63.56 - 73.56)	0.0	*
4Q24		10/3/2024	NE	41.01	NA	NA	NA	403.61		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	*
P-53											
3Q24	446.57	7/1/2024	NE	44.84	NA	NA	NA	401.73	406.26 - 381.26 (40.31 - 65.31)	0.0	
4Q24		10/1/2024	NE	44.83	NA	NA	NA	401.74		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	
P-54											
3Q24	442.52	7/1/2024	NE	42.29	NA	NA	NA	400.23	404.52 - 379.52 (38.00 - 63.00)	0.0	
4Q24		10/1/2024	NE	42.20	NA	NA	NA	400.32		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	
P-55R											
3Q24	444.01	7/1/2024	42.10	42.15	401.86	401.91	0.05	401.90	403.58 - 393.58 (40.43 - 50.43)	91.0	
4Q24		10/1/2024	41.61	41.90	402.11	402.40	0.29	402.34		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	
P-56											
3Q24	446.32	7/1/2024	NE	47.30	NA	NA	NA	399.02	405.50 - 380.50 (40.82 - 65.82)	0.0	
4Q24		10/1/2024	NE	46.96	NA	NA	NA	399.36		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	
P-57											
3Q24	447.15	7/1/2024	NE	47.60	NA	NA	NA	399.55	402.96 - 392.96 (44.19 - 54.19)	0.0	
4Q24		10/1/2024	NE	47.12	NA	NA	NA	400.03		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	

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											
3Q24	445.16	7/1/2024	NE	45.31	NA	NA	NA	399.85	404.95 - 379.95 (40.21 - 65.21)	0.0	
4Q24		10/1/2024	NE	44.76	NA	NA	NA	400.40		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	
P-59											
3Q24	447.07	7/1/2024	NE	48.38	NA	NA	NA	398.69	399.16 - 374.16 (47.91 - 72.91)	0.0	
4Q24		10/1/2024	NE	48.08	NA	NA	NA	398.99		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	
P-60											
3Q24	446.88	7/1/2024	NE	48.03	NA	NA	NA	398.85	402.23 - 382.23 (44.65 - 64.65)	3.1	
4Q24		10/1/2024	47.77	47.78	399.10	399.11	0.01	399.11		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	
P-61											
3Q24	444.66	7/1/2024	45.75	48.10	396.56	398.91	2.35	398.44	398.99 - 373.99 (45.68 - 70.68)	60.9	
4Q24		10/1/2024	45.58	47.24	397.42	399.08	1.66	398.75		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	
P-62											
3Q24	442.60	7/1/2024	43.45	44.48	398.12	399.15	1.03	398.94	401.13 - 376.13 (41.47 - 66.47)	31.9	
4Q24		10/1/2024	43.21	43.71	398.89	399.39	0.50	399.29		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	
P-63											
3Q24	446.06	7/12/2024	46.77	46.78	399.28	399.29	0.01	399.29	398.77 - 373.77 (47.29 - 72.29)	5.3	*
4Q24		10/2/2024	46.39	46.40	399.66	399.67	0.01	399.67		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	*
P-64											
3Q24	446.78	7/1/2024	47.68	48.15	398.63	399.10	0.47	399.01	399.55 - 374.55 (47.23 - 72.23)	72.4	
4Q24		10/1/2024	47.34	47.72	399.06	399.44	0.38	399.36		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	
P-65											
3Q24	444.77	7/1/2024	NE	45.40	NA	NA	NA	399.37	397.75 - 372.75 (47.02 - 72.02)	30.1	*
4Q24		10/2/2025	NE	44.76	NA	NA	NA	400.01		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	*
P-66											
3Q24	437.00	7/2/2024	36.59	37.14	399.86	400.41	0.55	400.30	402.28 - 377.28 (34.72 - 59.72)	0.7	
4Q24		10/3/2024	36.33	36.65	400.35	400.67	0.32	400.61		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	
P-67											
3Q24	444.30	7/2/2024	NE	42.93	NA	NA	NA	401.37	402.33 - 377.33 (41.98 - 66.98)	17.1	
4Q24		10/3/2024	NE	42.55	NA	NA	NA	401.75		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	
P-68											
3Q24	445.38	7/1/2024	46.45	46.62	398.76	398.93	0.17	398.90	401.62 - 376.62 (43.76 - 68.76)	3.4	
4Q24		10/2/2024	46.19	46.36	399.02	399.19	0.17	399.16		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	
P-69											
3Q24	443.77	7/1/2024	NE	46.03	NA	NA	NA	397.74	402.95 - 377.95 (40.82 - 65.82)	0.0	
4Q24		10/1/2024	NE	45.73	NA	NA	NA	398.04		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	

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											
3Q24	443.11	7/1/2024	44.33	45.65	397.46	398.78	1.32	398.52	398.44 - 373.44 (44.67 - 69.67)	207.1	*
4Q24		10/1/2024	44.11	45.03	398.08	399.00	0.92	398.82		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	
P-71											
3Q24	445.09	7/1/2024	NE	44.98	NA	NA	NA	400.11	402.48 - 377.48 (42.61 - 67.61)	6.5	
4Q24		10/2/2024	NE	44.51	NA	NA	NA	400.58		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	
P-72											
3Q24	444.70	7/1/2024	NE	44.58	NA	NA	NA	400.12	398.93 - 373.93 (45.77 - 70.77)	3.7	*
4Q24		10/2/2024	NE	44.02	NA	NA	NA	400.68		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	*
P-73											
3Q24	444.02	7/1/2024	NE	45.05	NA	NA	NA	398.97	402.43 - 377.43 (41.60 - 66.60)	1.9	
4Q24		10/2/2024	NE	44.14	NA	NA	NA	399.88		0.2	
1Q25	444.03	1/13/2025	NE	44.24	NA	NA	NA	399.79	402.44 - 377.44 (41.60 - 66.60)	0.0	
2Q25		4/3/2025	NE	45.38	NA	NA	NA	398.65		0.0	
P-74											
3Q24	442.93	7/1/2024	NE	44.68	NA	NA	NA	398.25	399.10 - 374.10 (43.83 - 68.83)	6.4	
4Q24		10/1/2024	NE	44.38	NA	NA	NA	398.55		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	
P-75											
3Q24	446.68	7/2/2024	NE	46.67	NA	NA	NA	400.01	403.55 - 378.55 (43.13 - 68.13)	0.0	
4Q24		10/3/2024	NE	46.20	NA	NA	NA	400.48		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	
P-82A											
3Q24	434.94	7/1/2024	NE	30.49	NA	NA	NA	404.45	401.73 - 386.73 (33.21 - 48.21)	0.0	*
4Q24		10/3/2024	NE	30.09	NA	NA	NA	404.85		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	*
P-82B											
3Q24	434.68	7/1/2024	NE	30.20	NA	NA	NA	404.48	371.88 - 369.88 (62.80 - 64.80)	0.0	*
4Q24		10/3/2024	NE	29.82	NA	NA	NA	404.86		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	*
P-82C											
3Q24	434.41	7/1/2024	NE	29.91	NA	NA	NA	404.50	351.64 - 349.64 (82.77 - 84.77)	0.0	*
4Q24		10/3/2024	NE	29.52	NA	NA	NA	404.89		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	*
P-82D											
3Q24	435.09	7/1/2024	NE	30.66	NA	NA	NA	404.43	323.55 - 321.55 (111.54 - 113.54)	0.0	*
4Q24		10/3/2024	NE	30.28	NA	NA	NA	404.81		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	*
P-83A											
3Q24	445.54	7/2/2024	NE	45.00	NA	NA	NA	400.54	398.14 - 383.14 (47.40 - 62.40)	0.0	*
4Q24		10/3/2024	NE	45.00	NA	NA	NA	400.54		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	*
P-83B											
3Q24	445.77	7/2/2024	NE	45.28	NA	NA	NA	400.49	371.97 - 369.97 (73.80 - 75.80)	0.0	*
4Q24		10/3/2024	NE	45.26	NA	NA	NA	400.51		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	*

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											
3Q24	445.95	7/2/2024	NE	45.43	NA	NA	NA	400.52	353.56 - 351.56 (92.39 - 94.39)	0.0	*
4Q24		10/3/2024	NE	45.41	NA	NA	NA	400.54		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	*
P-83D											
3Q24	445.86	7/2/2024	NE	45.35	NA	NA	NA	400.51	312.06 - 310.06 (133.80 - 135.80)	0.0	*
4Q24		10/3/2024	NE	45.34	NA	NA	NA	400.52		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	*
P-84A											
3Q24	446.63	7/2/2024	NE	45.64	NA	NA	NA	400.99	397.71 - 382.71 (48.92 - 63.92)	0.0	*
4Q24		10/2/2024	NE	45.60	NA	NA	NA	401.03		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	*
P-84B											
3Q24	446.35	7/2/2024	NE	45.38	NA	NA	NA	400.97	372.85 - 370.85 (73.50 - 75.50)	0.0	*
4Q24		10/2/2024	NE	45.35	NA	NA	NA	401.00		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	*
P-84C											
3Q24	446.37	7/2/2024	NE	45.38	NA	NA	NA	400.99	352.32 - 350.32 (94.05 - 96.05)	0.0	*
4Q24		10/2/2024	NE	45.38	NA	NA	NA	400.99		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	*
P-84D											
3Q24	446.38	7/2/2024	NE	45.40	NA	NA	NA	400.98	325.55 - 323.55 (120.83 - 122.83)	0.0	*
4Q24		10/2/2024	NE	45.35	NA	NA	NA	401.03		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	*
P-88A											
3Q24	443.27	7/2/2024	NE	37.04	NA	NA	NA	406.23	404.87 - 389.87 (38.40 - 53.40)	0.0	*
4Q24		10/3/2024	NE	36.45	NA	NA	NA	406.82		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	*
P-88B											
3Q24	443.35	7/2/2024	NE	37.06	NA	NA	NA	406.29	371.70 - 369.70 (71.65 - 73.65)	0.0	*
4Q24		10/3/2024	NE	36.52	NA	NA	NA	406.83		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	*
P-88C											
3Q24	443.31	7/2/2024	NE	37.06	NA	NA	NA	406.25	351.01 - 349.01 (92.30 - 94.30)	0.0	*
4Q24		10/3/2024	NE	36.48	NA	NA	NA	406.83		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	*
P-88D											
3Q24	443.38	7/2/2024	NE	37.14	NA	NA	NA	406.24	331.21 - 329.21 (112.17 - 114.17)	0.0	*
4Q24		10/3/2024	NE	36.55	NA	NA	NA	406.83		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	*
P-89B											
3Q24	447.64	7/2/2024	NE	46.55	NA	NA	NA	401.09	370.28 - 368.28 (77.36 - 79.36)	0.0	*
4Q24		10/3/2024	NE	46.01	NA	NA	NA	401.63		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	*
P-89C											
3Q24	447.96	7/2/2024	NE	46.90	NA	NA	NA	401.06	351.56 - 349.56 (96.40 - 98.40)	0.0	*
4Q24		10/3/2024	NE	46.38	NA	NA	NA	401.58		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	*

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											
3Q24	447.83	7/2/2024	NE	46.93	NA	NA	NA	400.90	309.33 - 307.33 (138.50 - 140.50)	0.0	*
4Q24		10/3/2024	NE	46.42	NA	NA	NA	401.41		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	*
P-91A											
3Q24	447.43	7/2/2024	48.62	48.63	398.80	398.81	0.01	398.81	395.92 - 380.92 (51.52 - 66.52)	1.3	*
4Q24		10/1/2024	48.46	48.48	398.95	398.97	0.02	398.97		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	*
P-91B											
3Q24	447.47	7/2/2024	NE	48.65	NA	NA	NA	398.82	372.78 - 370.78 (74.69 - 76.69)	0.0	*
4Q24		10/1/2024	NE	48.49	NA	NA	NA	398.98		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	*
P-91C											
3Q24	447.27	7/2/2024	NE	48.43	NA	NA	NA	398.84	352.54 - 350.54 (94.73 - 96.73)	0.0	*
4Q24		10/1/2024	NE	48.26	NA	NA	NA	399.01		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	*
P-91D											
3Q24	447.26	7/2/2024	NE	48.45	NA	NA	NA	398.81	278.94 - 276.94 (168.32 - 170.32)	0.0	*
4Q24		10/1/2024	NE	48.27	NA	NA	NA	398.99		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	*
P-92A											
3Q24	446.39	7/1/2024	47.30	47.37	399.02	399.09	0.07	399.08	398.82 - 383.82 (47.57 - 62.57)	24.5	*
4Q24		10/2/2024	46.75	46.78	399.61	399.64	0.03	399.63		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	*
P-92B											
3Q24	446.33	7/1/2024	NE	47.25	NA	NA	NA	399.08	371.92 - 369.92 (74.41 - 76.41)	0.0	*
4Q24		10/2/2024	NE	46.69	NA	NA	NA	399.64		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	*
P-92C											
3Q24	446.34	7/1/2024	NE	47.37	NA	NA	NA	398.97	353.38 - 348.38 (92.96 - 97.96)	0.0	*
4Q24		10/2/2024	NE	46.67	NA	NA	NA	399.67		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	*
P-92D											
3Q24	446.15	7/1/2024	NE	47.10	NA	NA	NA	399.05	305.15 - 303.15 (141.00 - 143.00)	0.0	*
4Q24		10/2/2024	NE	46.55	NA	NA	NA	399.60		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	*
P-93A											
3Q24	445.37	7/1/2024	NE	45.68	NA	NA	NA	399.69	402.30 - 392.30 (43.07 - 53.07)	0.0	
4Q24		10/1/2024	NE	45.24	NA	NA	NA	400.13		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	
P-93B											
3Q24	446.70	7/1/2024	NE	47.05	NA	NA	NA	399.65	371.92 - 369.92 (74.78 - 76.78)	0.0	*
4Q24		10/1/2024	NE	46.65	NA	NA	NA	400.05		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	*
P-93C											
3Q24	446.55	7/1/2024	NE	46.90	NA	NA	NA	399.65	353.67 - 348.67 (92.88 - 97.88)	0.0	*
4Q24		10/1/2024	NE	46.44	NA	NA	NA	400.11		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	*

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-93D											
3Q24	446.97	7/1/2024	NE	47.25	NA	NA	NA	399.72	321.31 - 319.31 (125.66 - 127.66)	0.0	*
4Q24		10/1/2024	NE	46.78	NA	NA	NA	400.19		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	*
P-94											
3Q24	445.04	7/2/2024	NE	42.63	NA	NA	NA	402.41	398.80 - 383.80 (46.24 - 61.24)	0.0	*
4Q24		10/3/2024	NE	42.59	NA	NA	NA	402.45		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	*
P-95											
3Q24	443.95	7/2/2024	NE	35.54	NA	NA	NA	408.41	407.43 - 392.43 (36.52 - 51.52)	0.0	*
4Q24		10/3/2024	NE	36.00	NA	NA	NA	407.95		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	*
P-102											
3Q24	445.14	7/2/2024	NE	39.67	NA	NA	NA	405.47	402.39 - 382.39 (42.75 - 62.75)	0.3	*
4Q24		10/3/2024	NE	39.00	NA	NA	NA	406.14		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	*
P-114R											
3Q24	429.48	7/2/2024	NE	27.41	NA	NA	NA	402.07	406.47 - 396.47 (23.01 - 33.01)	37.4	
4Q24		10/2/2024	NE	27.73	NA	NA	NA	401.75		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	
P-115											
3Q24	433.54	7/2/2024	NE	31.17	NA	NA	NA	402.37	401.24 - 381.24 (32.30 - 52.30)	0.0	*
4Q24		10/2/2024	NE	31.60	NA	NA	NA	401.94		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	
P-116											
3Q24	436.79	7/2/2024	NE	34.44	NA	NA	NA	402.35	399.35 - 379.35 (37.44 - 57.44)	0.0	*
4Q24		10/2/2024	NE	34.98	NA	NA	NA	401.81		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	*
P-117											
3Q24	432.87	7/2/2024	NE	30.58	NA	NA	NA	402.29	399.94 - 379.94 (32.93 - 52.93)	0.0	*
4Q24		10/2/2024	NE	31.23	NA	NA	NA	401.64		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	
P-118											
3Q24	431.48	7/2/2024	NE	28.95	NA	NA	NA	402.53	400.36 - 384.43 (31.12 - 47.05)	0.0	*
4Q24		10/2/2024	NE	30.00	NA	NA	NA	401.48		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	
P-119											
3Q24	432.11	7/2/2024	NM	NM	NM	NM	NM	NM	401.44 - 385.51 (30.67 - 46.60)	NM	Inaccessible due to refinery construction.
4Q24		10/2/2024	NE	30.15	NA	NA	NA	401.96		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	
P-120											
3Q24	433.00	7/2/2024	NE	30.20	NA	NA	NA	402.80	401.62 - 385.69 (31.38 - 47.31)	0.0	*
4Q24		10/2/2024	NE	30.30	NA	NA	NA	402.70		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	*
P-129											
3Q24	432.66	7/2/2024	NE	30.07	NA	NA	NA	402.59	400.69 - 384.76 (31.97 - 47.90)	0.0	*
4Q24		10/2/2024	NE	32.10	NA	NA	NA	400.56		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	

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
ROST-3-MW											
3Q24	442.52	7/1/2024	NE	42.75	NA	NA	NA	399.77	404.71 - 394.71 (37.81 - 47.81)	0.0	
4Q24		10/1/2024	NE	42.60	NA	NA	NA	399.92		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	
ROST-4-PZ											
3Q24	442.15	7/1/2024	NE	41.87	NA	NA	NA	400.28	407.22 - 397.22 (34.93 - 44.93)	0.0	
4Q24		10/1/2024	NE	41.40	NA	NA	NA	400.75		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	
ROST-4-PZ(A)											
3Q24	442.15	7/1/2024	NE	42.36	NA	NA	NA	399.79	407.38 - 397.38 (34.77 - 44.77)	0.0	
4Q24		10/1/2024	NE	42.18	NA	NA	NA	399.97		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	
ROST-4-PZ(B)											
3Q24	442.40	7/1/2024	NE	41.82	NA	NA	NA	400.58	407.35 - 397.35 (35.05 - 45.05)	0.0	
4Q24		10/1/2024	NE	41.15	NA	NA	NA	401.25		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	
ROST-4-PZ(C)											
3Q24	442.97	7/1/2024	NE	42.87	NA	NA	NA	400.10	408.02 - 398.02 (34.95 - 44.95)	0.0	
4Q24		10/1/2024	NE	42.50	NA	NA	NA	400.47		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	
ROST-4-PZ(D)											
3Q24	442.92	7/1/2024	NE	42.68	NA	NA	NA	400.24	407.95 - 397.95 (34.97 - 44.97)	0.0	
4Q24		10/1/2024	NE	42.28	NA	NA	NA	400.64		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	
ROST-4-PZ(E)											
3Q24	441.98	7/1/2024	NE	41.76	NA	NA	NA	400.22	407.23 - 397.23 (34.75 - 44.75)	0.0	
4Q24		10/1/2024	NE	41.28	NA	NA	NA	400.70		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	
ROST-4-PZ(F)											
3Q24	442.12	7/1/2024	NE	40.42	NA	NA	NA	401.70	407.59 - 397.59 (34.53 - 44.53)	0.0	
4Q24		10/1/2024	NE	40.23	NA	NA	NA	401.89		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	
ROST-4-PZ(G)											
3Q24	442.20	7/1/2024	NE	43.05	NA	NA	NA	399.15	407.92 - 397.92 (34.28 - 44.28)	0.0	
4Q24		10/1/2024	NE	42.88	NA	NA	NA	399.32		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	
S-1											
3Q24	444.06	7/1/2024	44.63	44.65	399.41	399.43	0.02	399.43	Unknown	129.4	
4Q24		10/2/2024	43.94	43.98	400.08	400.12	0.04	400.11		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	
T-1											
3Q24	445.61	7/1/2024	NE	45.40	NA	NA	NA	400.21	398.61 - 388.61 (47.00 - 57.00)	0.0	*
4Q24		10/1/2024	NE	45.25	NA	NA	NA	400.36		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	*
T-2											
3Q24	443.40	7/1/2024	NE	43.50	NA	NA	NA	399.90	392.91 - 372.76 (50.50 - 70.65)	0.0	*
4Q24		10/2/2024	NE	43.27	NA	NA	NA	400.13		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	*

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											
3Q24	449.21	7/1/2024	NE	49.88	NA	NA	NA	399.33	403.99 - 388.99 (45.22 - 60.22)	0.0	
4Q24		10/1/2024	NE	49.59	NA	NA	NA	399.62		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	
T-4											
3Q24	446.82	7/2/2024	NE	48.63	NA	NA	NA	398.19	396.80 - 381.80 (50.02 - 65.02)	0.0	*
4Q24		10/2/2024	NE	48.32	NA	NA	NA	398.50		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	*
T-5											
3Q24	443.66	7/2/2024	NE	43.58	NA	NA	NA	400.08	395.33 - 378.78 (48.33 - 64.88)	0.0	*
4Q24		10/2/2024	NE	42.92	NA	NA	NA	400.74		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	*
T-6											
3Q24	446.78	7/1/2024	NE	47.35	NA	NA	NA	399.43	394.27 - 380.02 (52.51 - 66.76)	0.0	*
4Q24		10/1/2024	NE	46.86	NA	NA	NA	399.92		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	*
T-7											
3Q24	444.26	7/2/2024	NE	42.91	NA	NA	NA	401.35	395.54 - 380.54 (48.72 - 63.72)	0.2	*
4Q24		10/3/2024	NE	42.53	NA	NA	NA	401.73		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	*
T-12											
3Q24	444.99	7/1/2024	NE	46.62	NA	NA	NA	398.37	398.16 - 372.16 (46.83 - 72.83)	0.0	*
4Q24		10/1/2024	NE	46.40	NA	NA	NA	398.59		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	
T-13											
3Q24	443.76	7/1/2024	NE	43.27	NA	NA	NA	400.49	399.95 - 373.95 (43.81 - 69.81)	0.0	*
4Q24		10/1/2024	NE	43.15	NA	NA	NA	400.61		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	
T-15											
3Q24	445.35	7/1/2024	NE	45.18	NA	NA	NA	400.17	396.95 - 370.95 (48.40 - 74.40)	0.0	*
4Q24		10/2/2024	NE	45.02	NA	NA	NA	400.33		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	*
T-17											
3Q24	446.19	7/2/2024	NE	45.35	NA	NA	NA	400.84	401.72 - 375.72 (44.47 - 70.47)	0.0	
4Q24		10/3/2024	NE	45.27	NA	NA	NA	400.92		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	
T-19											
3Q24	446.99	7/2/2024	NE	48.78	NA	NA	NA	398.21	396.22 - 370.22 (50.77 - 76.77)	7.5	*
4Q24		10/2/2024	NE	48.44	NA	NA	NA	398.55		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	*
T-21											
3Q24	444.22	7/2/2024	NE	36.01	NA	NA	NA	408.21	412.26 - 386.26 (31.96 - 57.96)	0.2	
4Q24		10/3/2024	NE	35.45	NA	NA	NA	408.77		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	
T-22											
3Q24	442.37	7/2/2024	NE	36.37	NA	NA	NA	406.00	410.82 - 385.12 (31.55 - 57.25)	0.0	
4Q24		10/3/2024	NE	36.05	NA	NA	NA	406.32		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	

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											
3Q24	432.90	7/1/2024	NE	28.85	NA	NA	NA	404.05	405.67 - 379.67 (27.23 - 53.23)	0.0	
4Q24		10/3/2024	NE	28.49	NA	NA	NA	404.41		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	
T-24											
3Q24	444.00	7/1/2024	43.15	43.22	400.78	400.85	0.07	400.84	402.50 - 376.85 (41.50 - 67.15)	16.4	
4Q24		10/1/2024	44.80	45.89	398.11	399.20	1.09	398.98		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	
T-28											
3Q24	444.56	7/2/2024	NE	44.20	NA	NA	NA	400.36	Unknown	0.0	
4Q24		10/3/2024	NE	44.14	NA	NA	NA	400.42		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	
T-37											
3Q24	447.44	7/2/2024	NE	46.40	NA	NA	NA	401.04	398.59 - 378.59 (48.86 - 68.86)	0.0	*
4Q24		10/3/2024	NE	45.88	NA	NA	NA	401.56		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	*
T-38											
3Q24	445.89	7/2/2024	NE	43.35	NA	NA	NA	402.54	396.75 - 376.75 (49.14 - 69.14)	0.0	*
4Q24		10/3/2024	NE	42.53	NA	NA	NA	403.36		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	*
T-62											
3Q24	432.16	7/2/2024	NE	29.83	NA	NA	NA	402.33	412.45 - 382.45 (19.71 - 49.71)	0.0	
4Q24		10/2/2024	NE	29.95	NA	NA	NA	402.21		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	
T-63											
3Q24	431.55	7/2/2024	NE	29.04	NA	NA	NA	402.51	411.57 - 381.57 (19.98 - 49.98)	0.0	
4Q24		10/2/2024	NE	29.45	NA	NA	NA	402.10		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	
T-64											
3Q24	429.10	7/2/2024	NE	26.40	NA	NA	NA	402.70	409.29 - 379.29 (19.81 - 49.81)	0.0	
4Q24		10/2/2024	NE	27.25	NA	NA	NA	401.85		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	

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

TABLE 1b
2Q25 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											
Weekly	442.16	4/3/2025	42.09	42.10	400.06	400.07	0.01	400.07	407.23 - 397.23 (34.93 - 44.93)	0.0	
		4/9/2025	41.98	41.99	400.17	400.18	0.01	400.18		0.0	
		4/16/2025	NE	42.18	NA	NA	NA	399.98		0.0	
		4/23/2025	NE	42.46	NA	NA	NA	399.70		0.0	
ROST-4-PZ(D)											
Weekly	442.91	4/3/2025	43.10	43.24	399.67	399.81	0.14	399.78	407.94 - 397.94 (34.97 - 44.97)	0.0	
		4/9/2025	42.76	42.79	400.12	400.15	0.03	400.14		0.0	
		4/16/2025	42.98	42.99	399.92	399.93	0.01	399.93		0.0	
		4/23/2025	NE	43.07	NA	NA	NA	399.84		0.0	
		4/30/2025	43.00	43.03	399.88	399.91	0.03	399.90		0.0	
		5/8/2025	43.08	43.11	399.80	399.83	0.03	399.82		0.0	
		5/16/2025	42.85	42.86	400.05	400.06	0.01	400.06		0.0	
		5/23/2025	43.09	43.11	399.80	399.82	0.02	399.82		0.0	
		5/30/2025	42.90	42.93	399.98	400.01	0.03	400.00		0.0	
		6/6/2025	42.81	42.84	400.07	400.10	0.03	400.09		0.0	
		6/12/2025	42.71	42.75	400.16	400.20	0.04	400.19		0.0	
		6/20/2025	42.60	42.63	400.28	400.31	0.03	400.30		0.0	
		6/27/2025	42.50	42.55	400.36	400.41	0.05	400.40		0.0	
ROST-4-PZ(E)											
Weekly	441.98	4/3/2025	41.86	41.87	400.11	400.12	0.01	400.12	407.23 - 397.23 (34.75 - 44.75)	0.0	
		4/9/2025	41.45	41.46	400.52	400.53	0.01	400.53		0.0	
		4/16/2025	NE	41.72	NA	NA	NA	400.26		0.0	
		4/23/2025	NE	41.78	NA	NA	NA	400.20		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							
3Q24	6.87	22.03	1.134	11.11	0.77	-63.33	
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	
MW-02							
3Q24	7.26	22.49	0.773	13.31	1.67	-180.17	
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	
MW-03							
3Q24	7.03	21.12	1.369	2.44	0.48	-149.62	
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	
MW-04							
3Q24	6.89	20.48	0.995	0.00	2.04	-135.76	
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	
MW-05							
3Q24	6.60	20.45	1.097	0.00	0.89	-126.33	
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	
MW-06A							
3Q24	6.67	21.45	0.676	5.97	1.62	-7.54	
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	
MW-06B							
3Q24	6.95	21.58	0.789	2.97	0.51	-98.74	
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	
MW-06C							
3Q24	7.00	20.98	0.782	4.45	0.54	-124.05	
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	
MW-06D							
3Q24	6.98	20.84	1.092	33.91	0.39	-135.51	
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	

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							
3Q24	6.74	22.70	0.937	0.00	1.29	-112.85	
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	
MW-09							
3Q24	7.02	21.65	1.014	5.69	0.48	-80.95	
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	
MW-10							
3Q24	7.00	19.98	1.179	47.17	0.38	-117.60	
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	
MW-11							
3Q24	6.61	18.97	1.312	37.68	0.92	-86.06	
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	
MW-12							
3Q24	6.88	19.76	0.772	22.28	0.93	80.31	
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	
MW-13							
3Q24	6.61	22.35	0.990	3.94	2.07	-81.72	
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	
MW-14							
3Q24	6.54	20.81	1.025	0.00	0.84	-79.46	
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	
MW-16							
3Q24	6.80	19.80	0.964	0.00	0.82	-112.93	
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	

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							
3Q24	6.90	24.38	1.048	32.51	1.80	-138.62	
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	
MW-23							
3Q24	6.60	20.52	0.812	44.14	0.90	-90.60	
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	
MW-24							
3Q24	6.64	21.23	1.666	13.59	0.90	230.03	
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	
MW-25							
3Q24	6.91	22.05	0.789	3.72	2.12	-148.97	
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	
MW-26							
3Q24	7.07	21.89	0.755	4.65	0.43	48.42	
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	
MW-27							
3Q24	6.99	15.31	0.782	5.62	3.66	121.86	
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	
MW-28							
3Q24	6.82	23.69	1.627	56.62	0.17	-128.01	
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	
P-54							
3Q24	6.49	20.74	1.375	19.24	3.00	277.04	
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	
P-55R							
3Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
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.

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							
3Q24	7.34	22.52	1.064	17.44	0.39	-163.49	
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	
P-57							
3Q24	6.64	22.80	0.999	0.00	0.42	-111.50	
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	
P-58							
3Q24	6.64	24.32	1.748	16.30	1.82	-148.20	
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	
P-59							
3Q24	6.66	26.87	1.537	17.52	0.42	-120.13	
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	
P-66							
3Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
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.
P-68							
3Q24	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
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.
P-74							
3Q24	5.89	23.86	0.285	6.25	0.46	-37.81	
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	
P-93A							
3Q24	6.80	22.43	1.235	0.00	0.41	-135.07	
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	
P-93B							
3Q24	6.77	19.62	1.367	0.00	0.33	-112.38	
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	

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							
3Q24	7.01	21.55	0.992	26.16	0.49	-120.43	
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	
P-93D							
3Q24	7.03	20.34	1.109	0.00	0.39	-120.63	
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	
P-114R							
3Q24	6.78	24.07	0.976	4.95	1.91	-145.90	
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	
ROST-3-MW							
3Q24	6.76	19.20	1.184	13.57	0.38	-127.40	
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	
ROST-4-PZ(C)							
3Q24	6.90	20.34	1.583	8.64	0.28	-112.72	
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	
ROST-4-PZ(E)							
3Q24	6.87	20.27	1.588	0.00	1.03	27.70	
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	
ROST-4-PZ(G)							
3Q24	7.05	20.84	1.303	9.36	0.42	-152.20	
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	
T-12							
3Q24	6.76	25.31	1.424	6.54	0.43	-127.87	
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	

NOTES:

1) Field parameters were collected using a YSI ProDSS.

2) NM = Not Measured

3) * = Equipment malfunction. Results are suspect.

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

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs																	
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	5,320 [3]		0.0002 [1]	0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-01	MW1-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00022 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-100724	10/7/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000034	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	0.00048 J	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-100724-DUP	10/7/2024	< 0.01	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000033	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	0.0011	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW1-ROX-011725	1/17/2025	< 0.025	0.0041	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0010	< 0.0050	< 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	< 0.025	0.00060 J	< 0.0050	< 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	< 0.000032 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00060 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-02	MW2-ROX-071124	7/11/2024	< 0.05	< 0.0020	< 0.05	0.0040	0.0055	< 0.0020	< 0.0020	0.0037	< 0.000031	< 0.0020	0.037 J	0.04	< 0.05	< 0.0020	0.0070 J	0.062	< 0.0020	< 0.0020
	MW2-ROX-071124-DUP	7/11/2024	< 0.05	< 0.0020	< 0.05	0.0043	0.0061	< 0.0020	< 0.0020	0.0039	< 0.000034	< 0.0020	0.051 J	0.043	< 0.05	< 0.0020	0.0079 J	0.068	< 0.0020	< 0.0020
	MW2-ROX-100924	10/9/2024	0.011 J	0.00089 J	0.0064 J	0.0025	0.0049	0.00063 J	< 0.0010	0.0025	< 0.000032	< 0.0010	0.013	0.03	< 0.025	< 0.0010	0.0045 J	0.048	< 0.0010	< 0.0010
	MW2-ROX-012425	1/24/2025	< 0.025	0.0027	< 0.025	0.0046	0.0061	< 0.0010	< 0.0010	0.0038	< 0.000032	< 0.0010	0.11	0.047	< 0.025	< 0.0010	0.014	0.07	< 0.0010	< 0.0010
	MW2-ROX-041625	4/16/2025	< 0.025	< 0.0010	< 0.025	0.0077	0.01	0.00090 J	< 0.0010	0.0038	< 0.000032 UJ	< 0.0010	0.056	0.061	< 0.025	< 0.0010	0.014	0.097	< 0.0010	< 0.0010
MW-03	MW3-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00025 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW3-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00039 J	< 0.0050	< 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	< 0.000035	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00069 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-04	MW4-ROX-071224	7/12/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0026	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW4-ROX-101824	10/18/2024	< 0.025 UJ	0.00064 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0022	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0012	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-05	MW5-ROX-070824	7/8/2024	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	0.0022	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0029	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW5-ROX-101124	10/11/2024	< 0.025	0.00026 J	< 0.025	< 0.0010	< 0.0010	0.0018	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0018	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0018	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-06A	MW6A-ROX-071024	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000030	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00029 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW6A-ROX-100924	10/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00031 J	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00032 J	< 0.0050	< 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	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-06B	MW6B-ROX-071024	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00047 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW6B-ROX-100824	10/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000035	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00035 J	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00030 J	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00042 J	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-06C	MW6C-ROX-071024	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW6C-ROX-100824	10/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-06D	MW6D-ROX-071024	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-071024-DUP	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW6D-ROX-100824	10/8/2024	< 0.025 UJ	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000035	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene
Screening Values* (mg/L)			**3.5** [1]	**0.005** [1]	**2.3** [1]	**0.35** [3]	**0.7** [3]	**0.7** [3]	**5,320** [3]		**0.0002** [1]	**0.07** [1]	**0.7** [1]	**0.38** [1]	**19,000** [3]	**0.038** [1]	**0.077** [1]	**0.7** [3]	**0.1** [1]	**0.005** [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-07	MW7-ROX-071524	7/15/2024	< 63 UJ	900	< 63 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 0.000031	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 63 UJ	< 2.5 UJ	< 13 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ
	MW7-ROX-012725	1/27/2025	< 50	390	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000033	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	MW7-ROX-041825	4/18/2025	< 25 UJ	400	< 25 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 0.000031	< 1 UJ	< 1 UJ	< 1 UJ	< 25 UJ	< 1 UJ	< 5 UJ	< 1 UJ	< 1 UJ	< 1 UJ
MW-09	MW9-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000037	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000032	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW9-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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 UJ	< 0.0010	< 0.000032 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010 UJ
MW-10	MW10-ROX-070824	7/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW10-ROX-100724	10/7/2024	< 0.01	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000034	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	0.00063 J	< 0.0010
	MW10-ROX-011725	1/17/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-11	MW11-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000033	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW11-ROX-012225	1/22/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-12	MW12-ROX-070524	7/5/2024	< 0.025 UJ	< 0.0010	< 0.025 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW12-ROX-101124	10/11/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-13	MW13-ROX-071124	7/11/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000035	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0011	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW13-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00093 J	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00081 J	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00077 J	< 0.0050	< 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	< 0.000033 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00093 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-14	MW14-ROX-070824	7/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000036	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW14-ROX-100924	10/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	0.00069 J	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	0.00078 J	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-16	MW16-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-100424	10/4/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000033	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW16-ROX-011625	1/16/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.025	< 0.0010	< 0.0050	< 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 UJ	< 0.000031	< 0.0010	< 0.0010 UJ	< 0.0010 UJ	< 0.025	< 0.0010	< 0.0050	< 0.0010 UJ	< 0.0010 UJ	< 0.0010 UJ
MW-22	MW22-ROX-071224	7/12/2024	< 0.05	0.044	< 0.05	0.0054	0.0031	0.0036	< 0.0020	0.0015 J	< 0.000032	< 0.0020	0.4	0.042	< 0.05	< 0.0020	0.13	0.065	< 0.0020	< 0.0020
	MW22-ROX-101624	10/16/2024	< 0.13	0.018	< 0.13	0.012	0.0074	0.0083	< 0.0050	0.0038 J	< 0.000032	< 0.0050	0.44	0.068	< 0.13	< 0.0050	0.16	0.14	< 0.0050	0.0025 J
	MW22-ROX-012425	1/24/2025	< 0.05	0.053	< 0.05	0.011	0.0072	0.011	< 0.0020	0.0034	< 0.000033	< 0.0020	0.83	0.086	< 0.05	< 0.0020	0.19	0.15	< 0.0020	< 0.0020
	MW22-ROX-041725	4/17/2025	< 0.25	0.083	< 0.25	0.019	0.012	0.015	< 0.01	< 0.01	< 0.000031	< 0.01	0.88	0.13	< 0.25	< 0.01	0.23	0.24	< 0.01	< 0.01
	MW22-ROX-041725-DUP	4/17/2025	< 0.25	0.079	< 0.25	0.017	0.011	0.015	< 0.01	< 0.01	< 0.000031	< 0.01	0.82	0.12	< 0.25	< 0.01	0.22	0.22	< 0.01	< 0.01
MW-23	MW23-ROX-070824	7/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	0.00069 J	< 0.0010	< 0.0010	< 0.025	0.0011	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW23-ROX-101124	10/11/2024	< 0.025	0.00059 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00061 J	< 0.0050	< 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	< 0.000032	0.00031 J	< 0.0010	< 0.0010	< 0.025	0.00076 J	< 0.0050	< 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	< 0.000031	0.00036 J	< 0.0010	< 0.0010	< 0.025	0.00094 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010

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			VOCs																	
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	5,320 [3]		0.0002 [1]	0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-24	MW24-ROX-070924	7/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW24-ROX-101424	10/14/2024	< 0.025	0.00056 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-25	MW25-ROX-071524	7/15/2024	0.02 J*+ J	0.0067	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00038 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW25-ROX-071524-DUP	7/15/2024	0.02 J*+ J	0.0072	< 0.025	< 0.0010	< 0.0010	0.00067 J	< 0.0010	< 0.0010	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00041 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW25-ROX-101824	10/18/2024	< 0.025	0.043	< 0.025	< 0.0010	< 0.0010	0.0011	< 0.0010 UJ	< 0.0010	< 0.000037	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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 UJ	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW25-ROX-012725	1/27/2025	< 50	650	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000034	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	MW25-ROX-012725-DUP	1/27/2025	< 50	610	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000034	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	MW25-ROX-041825	4/18/2025	< 2.5	190	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.000031	< 0.1	0.14	< 0.1	< 2.5	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1
	MW25-ROX-041825-DUP	4/18/2025	< 2.5	230	< 2.5	< 0.1	< 0.1	< 0.1	< 0.1 UJ	< 0.1	< 0.000031	< 0.1	0.14	< 0.1	< 2.5	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1
MW-26	MW26-ROX-070524	7/5/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-100724	10/7/2024	< 0.01 UJ	< 0.00050	< 0.0050 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.000033	< 0.0010	< 0.00050	< 0.0010	< 0.0050 UJ	< 0.0010	< 0.0010 UJ	< 0.0010	< 0.0010	< 0.0010
	MW26-ROX-012825	1/28/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-27	MW27-ROX-070824	7/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	MW27-ROX-101424	10/14/2024	< 0.025	0.00038 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
MW-28	MW28-ROX-070824	7/8/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0020	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	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	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00052 J	< 0.0050	< 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	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00028 J	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00034 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
P-114R	P114R-ROX-071124	7/11/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0011	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	P114R-ROX-101024	10/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0011	< 0.0050	< 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	< 0.000034	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00096 J	< 0.0050	< 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	< 0.000033 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00061 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
P-54	P54-ROX-070924	7/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-101424	10/14/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	P54-ROX-021425	2/14/2025	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	0.00059 J	< 0.0010	--	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000033 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
P-56	P56-ROX-071024	7/10/2024	0.015 J*+ J	< 0.0010	< 0.025	< 0.0010	0.0012	< 0.0010	< 0.0010	< 0.0010	< 0.000034	< 0.0010	< 0.0010	0.0065	< 0.025	< 0.0010	< 0.0050	0.0063	< 0.0010	< 0.0010
	P56-ROX-101524	10/15/2024	< 0.13	< 0.0050	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000031	< 0.0050	0.11	0.032	< 0.13	< 0.0050	0.016 J	0.036	< 0.0050	< 0.0050
	P56-ROX-012325	1/23/2025	< 0.025	< 0.0010	< 0.025	0.0036	0.0045	< 0.0010	< 0.0010	0.0030	< 0.000032	< 0.0010	0.46	0.053	< 0.025	< 0.0010	0.039	0.06	< 0.0010	< 0.0010
	P56-ROX-041625	4/16/2025	< 0.13	< 0.0050	< 0.13	< 0.0050	0.0043 J	< 0.0050	< 0.0050	< 0.0050	< 0.000031 UJ	< 0.0050	0.16	0.031	< 0.13	< 0.0050	< 0.025	0.036	< 0.0050	< 0.0050
P-57	P57-ROX-071024	7/10/2024	< 0.025	0.0062	< 0.025	0.0013	0.0045	0.0054	< 0.0010	< 0.0010	< 0.000032	< 0.0010	0.00054 J	0.018	< 0.025	< 0.0010	< 0.0050	0.016	< 0.0010	< 0.0010
	P57-ROX-101724	10/17/2024	< 0.025	0.066	< 0.025	0.0018	0.0040	0.0053	< 0.0010	< 0.0010	< 0.000033	< 0.0010	0.0017	0.015	< 0.025	< 0.0010	0.016	0.016	< 0.0010	< 0.0010
	P57-ROX-012325	1/23/2025	< 0.025	0.1	< 0.025	0.0059	0.011	0.012	< 0.0010	0.00088 J	< 0.000033	< 0.0010	0.0045	0.043	< 0.025	< 0.0010	0.032	0.054	< 0.0010	< 0.0010
	P57-ROX-041725	4/17/2025	< 0.025	0.059	0.0027 J	0.0026	0.0051	0.0055	< 0.0010	< 0.0010	< 0.000032	< 0.0010	0.0020	0.025	< 0.025	< 0.0010	0.018	0.027	< 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	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene
Screening Values* (mg/L)			**3.5** [1]	**0.005** [1]	**2.3** [1]	**0.35** [3]	**0.7** [3]	**0.7** [3]	**5,320** [3]		**0.0002** [1]	**0.07** [1]	**0.7** [1]	**0.38** [1]	**19,000** [3]	**0.038** [1]	**0.077** [1]	**0.7** [3]	**0.1** [1]	**0.005** [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-58	P58-ROX-071724	7/17/2024	< 50	340	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000033	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	P58-ROX-071724-DUP	7/17/2024	< 50	300	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000033	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	P58-ROX-101724	10/17/2024	< 25	230	< 25	< 1	< 1	< 1	< 1	< 1	< 0.000032	< 1	< 1	< 1	< 25	< 1	< 5	< 1	< 1	< 1
	P58-ROX-012725	1/27/2025	< 50	230	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000034	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	P58-ROX-041825	4/18/2025	< 25	200	< 25	< 1	< 1	< 1	< 1 UJ	< 1	< 0.000032	< 1	< 1	< 1	< 25	< 1	< 5	< 1	< 1	< 1
P-59	P59-ROX-071524	7/15/2024	< 0.13	0.19	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000033	< 0.0050	0.035	0.011	< 0.13	< 0.0050	< 0.025	0.013	< 0.0050	< 0.0050
	P59-ROX-101624	10/16/2024	< 0.13	0.91	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000032	< 0.0050	0.3	0.023	< 0.13	< 0.0050	0.055	0.034	< 0.0050	< 0.0050
	P59-ROX-012425	1/24/2025	0.033	0.23	< 0.025	0.0031	0.0019	< 0.0010	< 0.0010	< 0.0010	< 0.000034	< 0.0010	0.088	0.028	< 0.025	< 0.0010	0.024	0.04	< 0.0010	< 0.0010
	P59-ROX-012425-DUP	1/24/2025	0.034	0.41	< 0.025	0.0037	0.0022	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	0.16	0.034	< 0.025	< 0.0010	0.037	0.05	< 0.0010	< 0.0010
	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	< 0.000031 UJ	< 0.0050	0.18	0.049	< 0.13	< 0.0050	0.032	0.082	< 0.0050	< 0.0050
P-74	P74-ROX-071224	7/12/2024	0.22	0.91	0.054 J*+ J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000033	< 0.0050	0.066	< 0.0050	0.0095 J	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050
	P74-ROX-071224-DUP	7/12/2024	0.21	0.93	0.059 J*+ J	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000032	< 0.0050	0.07	< 0.0050	< 0.13	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050
	P74-ROX-101724	10/17/2024	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000031	< 0.01	0.11	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
	P74-ROX-101724-DUP	10/17/2024	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000032	< 0.01	0.1	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
	P74-ROX-012425	1/24/2025	< 0.25	3.5	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000033	< 0.01	0.052	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
	P74-ROX-041825	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000031	< 0.01	0.01	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
	P74-ROX-041825-DUP	4/18/2025	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01 UJ	< 0.01	< 0.000031	< 0.01	0.01	< 0.01	< 0.25	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
P-93A	P93A-ROX-071224	7/12/2024	< 5	29	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.000040	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 0.2	< 0.2	< 0.2
	P93A-ROX-101724	10/17/2024	< 25	190	< 25	< 1	< 1	< 1	< 1	< 1	< 0.000034	< 1	< 1	< 1	< 25	< 1	< 5	< 1	< 1	< 1
	P93A-ROX-012725	1/27/2025	< 5	40	< 5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.000033	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 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	< 0.000032	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 1	< 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	< 0.000031 UJ	< 0.5	< 0.5	< 0.5	< 13	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5
P-93B	P93B-ROX-071724	7/17/2024	< 25	990	< 25	< 1	< 1	< 1	< 1	< 1	0.000057	< 1	< 1	< 1	< 25	< 1	< 5	< 1	< 1	< 1
	P93B-ROX-101724	10/17/2024	< 25 UJ	720	< 25 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 0.000032	< 1 UJ	< 1 UJ	< 1 UJ	< 25 UJ	< 1 UJ	< 5 UJ	< 1 UJ	< 1 UJ	< 1 UJ
	P93B-ROX-012725	1/27/2025	< 50	460	< 50	< 2	< 2	< 2	< 2	< 2	< 0.000034	< 2	< 2	< 2	< 50	< 2	< 10	< 2	< 2	< 2
	P93B-ROX-041825	4/18/2025	< 130	880	< 130	< 5	< 5	< 5	< 5 UJ	< 5	< 0.000033	< 5	< 5	< 5	< 130	< 5	< 25	< 5	< 5	< 5
P-93C	P93C-ROX-071524	7/15/2024	< 0.025	13	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	0.00068 J	< 0.0010	< 0.025	0.0012	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	P93C-ROX-101724	10/17/2024	< 0.5	2.9	< 0.5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.000032	< 0.02	< 0.02	< 0.02	< 0.5	< 0.02	< 0.1	< 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	< 0.000033	< 0.1	< 0.1	< 0.1	< 2.5	< 0.1	< 0.5	< 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	< 0.000030 UJ	< 0.0020	< 0.0020	< 0.0020	< 0.05	0.00044 J	< 0.01	< 0.0020	< 0.0020	< 0.0020
P-93D	P93D-ROX-071224	7/12/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	P93D-ROX-101524	10/15/2024	< 0.025	0.00027 J	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.0013	< 0.0050	< 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	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00077 J	< 0.0050	< 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	< 0.000032 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	0.00090 J	< 0.0050	< 0.0010	< 0.0010	< 0.0010
ROST-3-MW	ROST3MW-ROX-070924	7/9/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	ROST3MW-ROX-101524	10/15/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000037	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000030	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010

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TABLE 3
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			VOCs																	
			Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloromethane	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene
Screening Values* (mg/L)			3.5 [1]	0.005 [1]	2.3 [1]	0.35 [3]	0.7 [3]	0.7 [3]	5,320 [3]		0.0002 [1]	0.07 [1]	0.7 [1]	0.38 [1]	19,000 [3]	0.038 [1]	0.077 [1]	0.7 [3]	0.1 [1]	0.005 [1]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
ROST-4-PZ(C)	ROST4PZ(C)-ROX-070924	7/9/2024	0.014 J	0.0011	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	0.00051 J	0.0014	< 0.025	< 0.0010	0.014	0.0019	< 0.0010	< 0.0010
	ROST4PZ(C)-ROX-101624	10/16/2024	< 0.025	0.0016	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	0.00054 J	0.0044	< 0.025	< 0.0010	0.049	0.0066	< 0.0010	< 0.0010
	ROST4PZ(C)-ROX-101624-DUP	10/16/2024	< 0.025	0.0017	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	0.00071 J	0.0037	< 0.025	< 0.0010	0.05	0.0055	< 0.0010	< 0.0010
	ROST4PZ(C)-ROX-012225	1/22/2025	< 0.025	0.0011	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	< 0.0010	0.0066	< 0.025	< 0.0010	0.066	0.0095	< 0.0010	< 0.0010
	ROST4PZC-ROX-041625	4/16/2025	< 0.025	0.0014	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.000031 UJ	< 0.0010	0.00060 J	0.0099	< 0.025	< 0.0010	0.11	0.014	< 0.0010	< 0.0010
	ROST4PZC-ROX-041625-DUP	4/16/2025	< 0.025	0.0015	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.00074 J	< 0.000032 UJ	< 0.0010	0.00069 J	0.0098	< 0.025	< 0.0010	0.11	0.014	< 0.0010	< 0.0010
ROST-4-PZ(E)	ROST4PZ(E)-ROX-071024	7/10/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
	ROST4PZE-ROX-101524	10/15/2024	< 0.025	< 0.0010	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000035	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 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	< 0.000032 UJ	< 0.0010	< 0.0010	< 0.0010	< 0.025	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010
ROST-4-PZ(G)	ROST4PZ(G)-ROX-070924	7/9/2024	0.013 J	0.0012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032	< 0.0010	< 0.0010	0.00091 J	< 0.025	< 0.0010	< 0.0050	0.00095 J	< 0.0010	< 0.0010
	ROST4PZG-ROX-101624	10/16/2024	< 0.025	0.0056	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000031	< 0.0010	0.00093 J	0.0041	< 0.025	< 0.0010	0.0040 J	0.0055	< 0.0010	< 0.0010
	ROST4PZ(G)-ROX-012225	1/22/2025	< 0.025	0.0076	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	0.00091 J	0.0058	< 0.025	< 0.0010	0.0071	0.0083	< 0.0010	< 0.0010
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	< 0.025	0.0073	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000033	< 0.0010	0.00089 J	0.0053	< 0.025	< 0.0010	0.0048 J	0.0075	< 0.0010	< 0.0010
	ROST4PZG-ROX-041625	4/16/2025	< 0.025	0.012	< 0.025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.000032 UJ	< 0.0010	0.0012	0.0070	< 0.025	< 0.0010	0.0091	0.011	< 0.0010	< 0.0010
T-12	T12-ROX-071524	7/15/2024	< 0.25	1.9	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000032	< 0.01	0.19	0.013	< 0.25	< 0.01	< 0.05	0.022	< 0.01	< 0.01
	T12-ROX-101624	10/16/2024	< 0.25	1.4	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000034	< 0.01	0.044	0.019	< 0.25	< 0.01	< 0.05	0.033	< 0.01	< 0.01
	T12-ROX-012425	1/24/2025	< 0.13	1.8	< 0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.000032	< 0.0050	0.18	0.028	< 0.13	< 0.0050	0.069	0.048	< 0.0050	< 0.0050
	T12-ROX-0414625	4/16/2025	< 0.25	1.8	< 0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.000033 UJ	< 0.01	0.11	0.035	< 0.25	< 0.01	0.05	0.059	< 0.01	< 0.01

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs							SVOCs										
			Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline
Screening Values* (mg/L)			1.0 [1]	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]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-01	MW1-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
	MW1-ROX-100724	10/7/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095
	MW1-ROX-100724-DUP	10/7/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW1-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW1-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--
	MW1-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
MW-02	MW2-ROX-071124	7/11/2024	0.0022	< 0.0020	0.0067	0.012	0.014	0.0020 J	0.016 J	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0096	< 0.0096
	MW2-ROX-071124-DUP	7/11/2024	0.0025	< 0.0020	0.0083	0.015	0.022	0.0025 J	0.025	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099	< 0.0099
	MW2-ROX-100924	10/9/2024	0.0015	< 0.0010	0.0037	0.0066	0.0050	< 0.0050	0.0060 J	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW2-ROX-012425	1/24/2025	0.0022	< 0.0010	0.016	0.02	0.053	0.0058	0.059	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0094	< 0.0094
	MW2-ROX-041625	4/16/2025	0.0022	< 0.0010	0.02	0.022	0.029	0.0033 J	0.032	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.0099 UJ	< 0.0099
MW-03	MW3-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098 UJ	< 0.0098
	MW3-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.03	< 0.01	< 0.01
	MW3-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	MW3-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.028 J	< 0.01 UJ	< 0.01
MW-04	MW4-ROX-071224	7/12/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	0.000046 J	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW4-ROX-101824	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	MW4-ROX-012725	1/27/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	MW4-ROX-041825	4/18/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.032 J	< 0.01 UJ	< 0.01
MW-05	MW5-ROX-070824	7/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0094 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0094	< 0.0094
	MW5-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0098	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0098	< 0.0098
	MW5-ROX-101124-DUP	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097
	MW5-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW5-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0098 UJ	< 0.0098
MW-06A	MW6A-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	0.00020	< 0.01	< 0.00020	0.000039 J	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW6A-ROX-100924	10/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	0.000046 J	< 0.00020	< 0.029	< 0.0098	< 0.0098
	MW6A-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.011	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.032	< 0.011	< 0.011
	MW6A-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
MW-06B	MW6B-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW6B-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095
	MW6B-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.032	< 0.011	< 0.011
	MW6B-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
	MW6B-ROX-041025-DUP	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
MW-06C	MW6C-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0094	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0094	< 0.0094
	MW6C-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW6C-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW6C-ROX-041025	4/10/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.000078 J	0.000070 J	0.000082 J	0.000079 J	< 0.03	< 0.01 UJ	0.00042 J
MW-06D	MW6D-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.031	< 0.01	< 0.01
	MW6D-ROX-071024-DUP	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW6D-ROX-100824	10/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029 UJ	< 0.0097	< 0.0097
	MW6D-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	MW6D-ROX-040925	4/9/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	0.000083 J	0.00011 J	0.00019 J	0.00014 J	< 0.03	< 0.01 UJ	< 0.01 UJ

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs							SVOCs										
			Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline
Screening Values* (mg/L)			**1.0** [1]	**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]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
MW-07	MW7-ROX-071524	7/15/2024	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 13 UJ	< 13 UJ	< 25 UJ	0.00019 J	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.033	< 0.011	< 0.011
	MW7-ROX-012725	1/27/2025	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.00051 J	< 0.01	< 0.0097	0.000094 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097
	MW7-ROX-041825	4/18/2025	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	0.00036	0.000063 J	0.0013 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.077 J	< 0.0098 UJ	< 0.0098
MW-09	MW9-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098 UJ	< 0.0098
	MW9-ROX-100424	10/4/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.03	< 0.01	< 0.01
	MW9-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW9-ROX-040425	4/4/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
MW-10	MW10-ROX-070824	7/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097 UJ
	MW10-ROX-100724	10/7/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW10-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	MW10-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020 UJ	< 0.00020	< 0.00020 UJ	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
MW-11	MW11-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097
	MW11-ROX-100424	10/4/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.031	< 0.01	< 0.01
	MW11-ROX-012225	1/22/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW11-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
MW-12	MW12-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097 UJ	< 0.00019	< 0.00019	< 0.00019	0.000052 J	0.000045 J	< 0.029 UJ	< 0.0097 UJ	< 0.0097 UJ
	MW12-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0094 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0094	< 0.0094 UJ
	MW12-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0095	< 0.0095
	MW12-ROX-021325	2/13/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--
	MW12-ROX-040825	4/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01
MW-13	MW13-ROX-071124	7/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0098	0.000052 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098	< 0.0098
	MW13-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW13-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0099	< 0.0099	< 0.0096	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.029	< 0.0096	< 0.0096
	MW13-ROX-012325-DUP	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096
	MW13-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
MW-14	MW14-ROX-070824	7/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01
	MW14-ROX-100924	10/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0095	< 0.0095
	MW14-ROX-012425	1/24/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	MW14-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	0.032 J	< 0.0096 UJ	< 0.0096
MW-16	MW16-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
	MW16-ROX-100424	10/4/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00019	< 0.00019	< 0.01	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.031	< 0.01	< 0.01
	MW16-ROX-011625	1/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW16-ROX-021425	2/14/2025	< 0.0010	< 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	< 0.0010 UJ	< 0.0050 UJ	< 0.0050 UJ	< 0.01 UJ	< 0.00019	< 0.00019	< 0.0093 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0093 UJ	< 0.0093 UJ
MW-22	MW22-ROX-071224	7/12/2024	0.052	< 0.0020	0.11	0.074	1	0.061	1.1	0.00011 J	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.033	< 0.011	< 0.011
	MW22-ROX-101624	10/16/2024	0.048	< 0.0050	0.17	0.11	0.85	0.046	0.89	0.00012 J	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW22-ROX-012425	1/24/2025	0.084	< 0.0020	0.22	0.11	1.4	0.078	1.5	0.00010 J	< 0.0099	< 0.0093	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.028	< 0.0093	< 0.0093
	MW22-ROX-041725	4/17/2025	0.11	< 0.01	0.26	0.15	2.1	0.11	2.2	0.000096 J	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	0.012	< 0.0098
	MW22-ROX-041725-DUP	4/17/2025	0.1	< 0.01	0.23	0.13	1.9	0.11	2	0.000086 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.028 J J	0.0094 J	< 0.0099
MW-23	MW23-ROX-070824	7/8/2024	< 0.0010	0.00029 J	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.031	< 0.01	< 0.01
	MW23-ROX-101124	10/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	MW23-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	MW23-ROX-040825	4/8/2025	< 0.0010	0.00055 J	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs							SVOCs											
			Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline
Screening Values* (mg/L)			1.0 [1]	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]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																		
MW-24	MW24-ROX-070924	7/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.031	< 0.01	< 0.01
	MW24-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW24-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	MW24-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--
	MW24-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.0099 UJ	< 0.0099
MW-25	MW25-ROX-071524	7/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	MW25-ROX-071524-DUP	7/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.034	< 0.011	< 0.011
	MW25-ROX-101824	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	MW25-ROX-101824-DUP	10/18/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0093 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	MW25-ROX-012725	1/27/2025	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.00011 J	< 0.01	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0095	< 0.0095
	MW25-ROX-012725-DUP	1/27/2025	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.00010 J	< 0.01	< 0.0093	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0093	< 0.0093
	MW25-ROX-041825	4/18/2025	0.12	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.00020	< 0.00020	0.0054 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.047 J	< 0.0098 UJ	< 0.0098
	MW25-ROX-041825-DUP	4/18/2025	0.15	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.00019	0.000049 J	0.0055 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	0.049 J	< 0.0097 UJ	< 0.0097
MW-26	MW26-ROX-070524	7/5/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097
	MW26-ROX-100724	10/7/2024	< 0.00050	< 0.00050	< 0.0010	< 0.0010	< 0.0010	< 0.00050	< 0.0010	< 0.00020	< 0.00020	< 0.0096	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0096	< 0.0096
	MW26-ROX-012825	1/28/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.01	< 0.01	< 0.0094	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.028	< 0.0094	< 0.0094
	MW26-ROX-040825	4/8/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03 UJ	< 0.01 UJ	< 0.01
MW-27	MW27-ROX-070824	7/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	0.000060 J	< 0.0097	0.000047 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097
	MW27-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	MW27-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01
	MW27-ROX-040725	4/7/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.0010	< 0.0010	< 0.05	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.12 J*- J	< 0.05 UJ	< 0.05
MW-28	MW28-ROX-070824	7/8/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097
	MW28-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0095	< 0.0095
	MW28-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01
	MW28-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097
P-114R	P114R-ROX-071124	7/11/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00018 J	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	P114R-ROX-101024	10/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00039	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	P114R-ROX-012325	1/23/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00053 J	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096
	P114R-ROX-041425	4/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097
P-54	P54-ROX-070924	7/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0095	< 0.0095
	P54-ROX-101424	10/14/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	P54-ROX-011725	1/17/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0095	< 0.0095
	P54-ROX-021425	2/14/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	--	--	--	--	--	--	--	--	--	--	--
	P54-ROX-041125	4/11/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
P-56	P56-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00062	< 0.00020	< 0.01	0.00010 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	P56-ROX-101524	10/15/2024	< 0.0050	< 0.0050	0.047	0.015	0.12	< 0.025	0.12	0.0012	0.00012 J	< 0.0092	0.00015 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0092	< 0.0092
	P56-ROX-012325	1/23/2025	0.0049	< 0.0010	0.12	0.038	0.26	0.014	0.28	0.0014 J	0.00010 J	< 0.0099	0.00014 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0099	< 0.0099
	P56-ROX-041625	4/16/2025	< 0.0050	< 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	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.0099 UJ	< 0.0099 UJ
P-57	P57-ROX-071024	7/10/2024	0.0035	< 0.0010	< 0.0010	< 0.0010	0.00068 J	< 0.0050	< 0.01	0.00044	< 0.00020	< 0.01	0.000073 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01	< 0.01
	P57-ROX-101724	10/17/2024	0.0032	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00056	0.000072 J	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093
	P57-ROX-012325	1/23/2025	0.0058	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00068 J	0.000089 J	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	P57-ROX-041725	4/17/2025	0.0039	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00044	0.000057 J	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	0.0095 J	< 0.0098

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs							SVOCs										
			Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline
Screening Values* (mg/L)			1.0 [1]	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]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
P-58	P58-ROX-071724	7/17/2024	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.00060	< 0.00021	< 0.01 UJ	< 0.00027 U	0.000086 J	< 0.00021	0.000038 J	< 0.00021	< 0.031	< 0.01	< 0.01
	P58-ROX-071724-DUP	7/17/2024	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.00059	< 0.00021	< 0.01 UJ	< 0.00021 U	0.000059 J	< 0.00021	< 0.00021	< 0.00021	< 0.031	< 0.01	< 0.01
	P58-ROX-101724	10/17/2024	< 1	< 1	< 1	< 1	< 5	< 5	< 10	< 0.00020	0.00026	< 0.0093	0.00010 J	0.00012 J	0.00014 J	0.000080 J	0.000057 J	< 0.028 UJ	< 0.0093	< 0.0093
	P58-ROX-012725	1/27/2025	< 2	< 2	< 2	< 2	< 10	< 10	< 20	0.0017 J	0.00031 J	< 0.01	0.00014 J	0.00020 J	0.00025 J	0.00015 J	0.00011 J	< 0.03	< 0.01	< 0.01
	P58-ROX-041825	4/18/2025	< 1	< 1	< 1	< 1	< 5	< 5	< 10	0.00079	0.00018 J	0.0036 J	< 0.00020	0.000056 J	0.000051 J	< 0.00020	< 0.00020	0.065 J	< 0.0099 UJ	< 0.0099
P-59	P59-ROX-071524	7/15/2024	0.015	< 0.0050	0.0080	0.0069	0.069	< 0.025	0.069	0.00035	< 0.00020	< 0.0098	0.00012 J	0.000041 J	< 0.00020	< 0.00020	0.000026 J	< 0.029	< 0.0098	< 0.0098
	P59-ROX-101624	10/16/2024	0.12	< 0.0050	0.12	0.021	0.37	< 0.025	0.38	0.00078	< 0.00020	< 0.0093	0.000099 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	P59-ROX-012425	1/24/2025	0.06	< 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	< 0.031	< 0.01	< 0.01
	P59-ROX-012425-DUP	1/24/2025	0.09	< 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	< 0.031	< 0.01	< 0.01
	P59-ROX-041625	4/16/2025	0.11	< 0.0050	0.13	0.067	0.34	0.023 J	0.36	0.00051	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01
P-74	P74-ROX-071224	7/12/2024	0.018	< 0.0050	0.0066	< 0.0050	0.071	< 0.025	0.073	< 0.00020	< 0.00020	< 0.0098	0.000065 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098	< 0.0098
	P74-ROX-071224-DUP	7/12/2024	0.019	< 0.0050	0.0069	0.0029 J	0.075	< 0.025	0.077	0.00011 J	< 0.00019	< 0.0097	0.00011 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097
	P74-ROX-101724	10/17/2024	0.035	< 0.01	0.034	0.011	0.19	< 0.05	0.2	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093
	P74-ROX-101724-DUP	10/17/2024	0.033	< 0.01	0.028	0.0083 J	0.17	< 0.05	0.18	< 0.00020	< 0.00020	< 0.0095	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0095	< 0.0095
	P74-ROX-012425	1/24/2025	0.06	< 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	< 0.03	< 0.01	< 0.01
	P74-ROX-041825	4/18/2025	0.018	< 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	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.049 J	< 0.01 UJ	< 0.01
	P74-ROX-041825-DUP	4/18/2025	0.019	< 0.01	< 0.01	< 0.01	0.035 J	< 0.05	< 0.1	< 0.00020	< 0.00020	0.0059 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.04 J	< 0.0099 UJ	< 0.0099
P-93A	P93A-ROX-071224	7/12/2024	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0096	< 0.0096
	P93A-ROX-101724	10/17/2024	< 1	< 1	< 1	< 1	< 5	< 5	< 10	0.00011 J	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0092	< 0.0092
	P93A-ROX-012725	1/27/2025	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	0.00024 J	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097
	P93A-ROX-012725-DUP	1/27/2025	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 1	< 2	0.00012 J	0.000055 J	< 0.0095	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0095	< 0.0095
	P93A-ROX-041725	4/17/2025	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 2.5	< 5	0.000088 J	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
P-93B	P93B-ROX-071724	7/17/2024	< 1	< 1	< 1	< 1	0.85 J	< 5	< 10	< 0.00019	< 0.00019	< 0.0095 UJ	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0095	< 0.0095
	P93B-ROX-101724	10/17/2024	< 1 UJ	< 1 UJ	< 1 UJ	< 1 UJ	< 5 UJ	< 5 UJ	< 10 UJ	< 0.00020	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0093	< 0.0093
	P93B-ROX-012725	1/27/2025	< 2	< 2	< 2	< 2	< 10	< 10	< 20	< 0.01	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0096	< 0.0096
	P93B-ROX-041825	4/18/2025	< 5	< 5	< 5	< 5	< 25	< 25	< 50	< 0.00020	< 0.00020	0.0019 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.052 J	< 0.0098 UJ	< 0.0098
P-93C	P93C-ROX-071524	7/15/2024	0.0013	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0096	< 0.0096
	P93C-ROX-101724	10/17/2024	< 0.02	< 0.02	< 0.02	< 0.02	< 0.1	< 0.1	< 0.2	< 0.00020	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028 UJ	< 0.0092	< 0.0092
	P93C-ROX-012725	1/27/2025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 1	< 0.01	< 0.01	< 0.0099	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.03	< 0.0099	< 0.0099
	P93C-ROX-041725	4/17/2025	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.01	< 0.01	< 0.02	< 0.00020	< 0.00020	< 0.01 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.01 UJ	< 0.01
P-93D	P93D-ROX-071224	7/12/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0096	< 0.0096
	P93D-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0092	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0092	< 0.0092
	P93D-ROX-012325	1/23/2025	< 0.0010	< 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	< 0.03	< 0.01	< 0.01
	P93D-ROX-041625	4/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020 UJ	< 0.00020 UJ	< 0.01 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.00020 UJ	< 0.03 UJ	< 0.01 UJ	< 0.01 UJ
ROST-3-MW	ROST3MW-ROX-070924	7/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00012 J	< 0.00019	< 0.0097	0.000049 J	< 0.00019	< 0.00019 UJ	< 0.00019 UJ	< 0.00019 UJ	< 0.029	< 0.0097	< 0.0097
	ROST3MW-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00011 J	< 0.00020	< 0.0093	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	ROST3MW-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	0.00016 J	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.031	< 0.01	< 0.01
	ROST3MW-ROX-041525	4/15/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.027 J J	< 0.01 UJ	< 0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

			VOCs							SVOCs											
			Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzoic Acid	Benzyl alcohol	p-Chloroaniline
Screening Values* (mg/L)			1.0 [1]	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]
Location	**Sample ID**	**Sample Date**	**Analytical Results (mg/L)**																	
ROST-4-PZ(C)	ROST4PZ(C)-ROX-070924	7/9/2024	0.0042	< 0.0010	0.0015	< 0.0010	0.0055	< 0.0050	0.0060 J	0.00034 J	< 0.00039	< 0.0099	0.00028	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099	< 0.0099
	ROST4PZ(C)-ROX-101624	10/16/2024	0.0088	< 0.0010	0.0064	0.00094 J	0.024	< 0.0050	0.026	0.0010	0.00013 J	< 0.0093	0.00035	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	ROST4PZ(C)-ROX-101624-DUP	10/16/2024	0.0078	< 0.0010	0.0059	0.00097 J	0.022	< 0.0050	0.024	0.00093	0.00010 J	< 0.0093	0.00031	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0093	< 0.0093
	ROST4PZ(C)-ROX-012225	1/22/2025	0.01	< 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	< 0.031	< 0.01	< 0.01
	ROST4PZC-ROX-041625	4/16/2025	0.013	< 0.0010	0.013	0.0056	0.059	< 0.0050	0.062	0.00085	0.000090 J	< 0.0099 UJ	0.00018 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
	ROST4PZC-ROX-041625-DUP	4/16/2025	0.013	< 0.0010	0.013	0.0059	0.06	0.0030 J	0.063	0.00090	0.000098 J	< 0.0097 UJ	0.00017 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097 UJ	< 0.0097
ROST-4-PZ(E)	ROST4PZ(E)-ROX-071024	7/10/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00019	< 0.00019	< 0.0097	0.000069 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.029	< 0.0097	< 0.0097
	ROST4PZE-ROX-101524	10/15/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	0.00017 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	ROST4PZ(E)-ROX-012025	1/20/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	ROST4PZE-ROX-041625	4/16/2025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0050	< 0.0050	< 0.01	< 0.00020	< 0.00020	< 0.0099 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099 UJ	< 0.0099
ROST-4-PZ(G)	ROST4PZ(G)-ROX-070924	7/9/2024	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0016 J	< 0.0050	0.0018 J	< 0.00020	< 0.00020	< 0.0099	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.03	< 0.0099	< 0.0099
	ROST4PZG-ROX-101624	10/16/2024	0.0014	< 0.0010	< 0.0010	< 0.0010	0.0081	< 0.0050	0.0093 J	0.00010 J	< 0.00020	< 0.0094	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.028	< 0.0094	< 0.0094
	ROST4PZ(G)-ROX-012225	1/22/2025	0.0016	< 0.0010	< 0.0010	< 0.0010	0.0070	< 0.0050	0.0085 J	0.00011 J	< 0.01	< 0.0097	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.029	< 0.0097	< 0.0097
	ROST4PZ(G)-ROX-012225-DUP	1/22/2025	0.0015	< 0.0010	< 0.0010	< 0.0010	0.0063	< 0.0050	0.0077 J	0.000086 J	< 0.00020	< 0.0097	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0097	< 0.0097
	ROST4PZG-ROX-041625	4/16/2025	0.0017	< 0.0010	< 0.0010	0.00063 J	0.0064	< 0.0050	0.0084 J	< 0.00020	< 0.00020	< 0.0098 UJ	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098 UJ	< 0.0098
T-12	T12-ROX-071524	7/15/2024	0.22	< 0.01	< 0.01	0.0092 J	0.28	0.016 J	0.3	0.00025	< 0.00020	< 0.0098	0.00010 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.029	< 0.0098	< 0.0098
	T12-ROX-101624	10/16/2024	0.1	< 0.01	< 0.01	0.012	0.23	< 0.05	0.25	0.00047	0.000050 J	< 0.0092	0.000073 J	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.028	< 0.0092	< 0.0092
	T12-ROX-012425	1/24/2025	0.23	< 0.0050	0.037	0.039	0.71	0.1	0.82	0.00036 J	< 0.0099	< 0.01	0.000076 J	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.03	< 0.01	< 0.01
	T12-ROX-0414625	4/16/2025	0.15	< 0.01	0.029	0.042	0.63	0.086	0.72	0.00031 J	< 0.00040	< 0.02 UJ	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.06	< 0.02 UJ	< 0.02

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-070524	7/5/2024	< 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
	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
MW-02	MW2-ROX-071124	7/11/2024	< 0.00019	< 0.00019 UJ	< 0.0096	< 0.0096 UJ	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	0.0048	0.0067	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00019	< 0.0096	< 0.00019
	MW2-ROX-071124-DUP	7/11/2024	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.0056	0.0078	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	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
MW-03	MW3-ROX-070524	7/5/2024	< 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
	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
MW-04	MW4-ROX-071224	7/12/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.000089 J	< 0.00020	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	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
MW-05	MW5-ROX-070824	7/8/2024	< 0.00019	< 0.00019	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.00019	< 0.00019	< 0.0094	< 0.00019	< 0.00019	< 0.00019	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00019	< 0.0094	< 0.00019
	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
MW-06A	MW6A-ROX-071024	7/10/2024	0.000036 J	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	< 0.00020 U	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	0.000055 J
	MW6A-ROX-100924	10/9/2024	0.000055 J	< 0.00020	< 0.0098	< 0.0098	< 0.0098	< 0.0098	0.000041 J	< 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
MW-06B	MW6B-ROX-071024	7/10/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	< 0.00020	0.00013 J	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	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 UJ	< 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
MW-06C	MW6C-ROX-071024	7/10/2024	< 0.00019	< 0.00019 UJ	< 0.0094	< 0.0094 UJ	< 0.0094	< 0.0094	< 0.00019	< 0.00019	< 0.0094	< 0.00019	< 0.00019	0.000092 J	< 0.0094	< 0.019	< 0.0094	< 0.0094	< 0.00019	< 0.0094	< 0.00019
	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 UJ	< 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
MW-06D	MW6D-ROX-071024	7/10/2024	< 0.00021	< 0.00021 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.01	< 0.01	< 0.00021	< 0.01	< 0.00021
	MW6D-ROX-071024-DUP	7/10/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	< 0.00020	< 0.01	< 0.00020	0.000098 J	0.00018 J	< 0.01	< 0.02	< 0.01	< 0.01	< 0.00020	< 0.01	< 0.00020
	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

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-071524	7/15/2024	< 0.00022	< 0.00022 UJ	< 0.011	< 0.011 UJ	< 0.011	< 0.011	< 0.00022	0.00016 J	< 0.011	< 0.00022	0.0014	0.0014	< 0.011	< 0.022	< 0.011	< 0.011	0.00031	0.063	< 0.00022
	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-070524	7/5/2024	< 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
	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
MW-10	MW10-ROX-070824	7/8/2024	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019 U	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097	< 0.00019
	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
MW-11	MW11-ROX-070524	7/5/2024	< 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
	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
MW-12	MW12-ROX-070524	7/5/2024	0.000038 J	< 0.00019	< 0.0097	< 0.0097 UJ	< 0.0097	< 0.0097 UJ	0.000048 J	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097 UJ	< 0.00019
	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
MW-13	MW13-ROX-071124	7/11/2024	< 0.00020	< 0.00020 UJ	< 0.0098	< 0.0098 UJ	< 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
	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
MW-14	MW14-ROX-070824	7/8/2024	< 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
	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
MW-16	MW16-ROX-070524	7/5/2024	< 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
	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
MW-22	MW22-ROX-071224	7/12/2024	< 0.00022	< 0.00022 UJ	< 0.011	< 0.011 UJ	< 0.011	< 0.011	< 0.00022	< 0.00022	0.0070 J	< 0.00022	0.012	0.017	< 0.011	< 0.022	< 0.011	< 0.011	< 0.00022	< 0.011	< 0.00022
	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
MW-23	MW23-ROX-070824	7/8/2024	< 0.00021	< 0.00021	< 0.01	< 0.01	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	< 0.00021	< 0.01	< 0.021	< 0.01	< 0.01	< 0.00021	< 0.01	< 0.00021
	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

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-24	MW24-ROX-070924	7/9/2024	< 0.00021	< 0.00021 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00021	< 0.00021	< 0.01	< 0.00021	< 0.00021	0.00012 J	< 0.01	< 0.021	< 0.01	< 0.01	< 0.00021	< 0.01	< 0.00021
	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
MW-25	MW25-ROX-071524	7/15/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 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
	MW25-ROX-071524-DUP	7/15/2024	< 0.00022	< 0.00022 UJ	< 0.011	< 0.011 UJ	< 0.011	< 0.011	< 0.00022	< 0.00022	< 0.011	< 0.00022	< 0.00022	< 0.00022	< 0.011	< 0.022	< 0.011	< 0.011	< 0.00022	< 0.011	< 0.00022
	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
MW-26	MW26-ROX-070524	7/5/2024	< 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
	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
MW-27	MW27-ROX-070824	7/8/2024	< 0.00019	< 0.00019	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.00019	0.00011 J	< 0.0097	< 0.00019	0.000080 J	< 0.00019 U	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097	< 0.00019
	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
MW-28	MW28-ROX-070824	7/8/2024	< 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
	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
P-114R	P114R-ROX-071124	7/11/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 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
	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
P-54	P54-ROX-070924	7/9/2024	< 0.00019	< 0.00019 UJ	< 0.0095	< 0.0095 UJ	< 0.0095	< 0.0095	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.00019	0.00011 J	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00019	< 0.0095	< 0.00019
	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
P-56	P56-ROX-071024	7/10/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	0.00028	< 0.01	< 0.00020	0.0043	0.0018	< 0.01	< 0.02	< 0.01	< 0.01	0.00043	< 0.01	0.000049 J
	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
P-57	P57-ROX-071024	7/10/2024	< 0.00020	< 0.00020 UJ	< 0.01	< 0.01 UJ	< 0.01	< 0.01	< 0.00020	0.00046	< 0.01	< 0.00020	0.022	0.013	< 0.01	< 0.02	< 0.01	< 0.01	0.00042	< 0.01	< 0.00020
	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

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-58	P58-ROX-071724	7/17/2024	0.00012 J	< 0.00021	< 0.01	< 0.01 UJ	< 0.01	< 0.01	0.000081 J	0.00063 B	< 0.01	< 0.00021	0.039 B	0.015 B	< 0.01	< 0.021	< 0.01	< 0.01	0.0012	0.48	0.00027
	P58-ROX-071724-DUP	7/17/2024	0.000083 J	< 0.00021	< 0.01	< 0.01 UJ	< 0.01	< 0.01	0.000056 J	0.00065 B	< 0.01	< 0.00021	0.038 B	0.015 B	< 0.01	< 0.021	< 0.01	< 0.01	0.00096	0.43	0.00016 J
	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
P-59	P59-ROX-071524	7/15/2024	0.000059 J	< 0.00020 UJ	< 0.0098	< 0.0098 UJ	< 0.0098	< 0.0098	0.000082 J	0.00014 J	< 0.0098	< 0.00020	0.0081	0.0066	< 0.0098	< 0.02	< 0.0098	< 0.0098	0.00022	0.0041 J	0.00021
	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
P-74	P74-ROX-071224	7/12/2024	< 0.00020	< 0.00020 UJ	< 0.0098	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	< 0.00020	< 0.0098	< 0.00020	0.0016	0.0017	< 0.0098	0.018 J	< 0.0098	< 0.0098	0.00041	< 0.0098	0.000061 J
	P74-ROX-071224-DUP	7/12/2024	< 0.00019	< 0.00019 UJ	< 0.0097	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.00019	< 0.00019	< 0.0097	< 0.00019	0.0014	0.0015	< 0.0097	0.019	< 0.0097	< 0.0097	0.00034	< 0.0097	0.000055 J
	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
P-93A	P93A-ROX-071224	7/12/2024	< 0.00019	< 0.00019 UJ	< 0.0096	< 0.0096 UJ	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	0.0011	0.000063 J	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00019	0.13	< 0.00019
	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
P-93B	P93B-ROX-071724	7/17/2024	< 0.00019	< 0.00019	< 0.0095	< 0.0095 UJ	< 0.0095	< 0.0095	< 0.00019	< 0.00019	< 0.0095	< 0.00019	< 0.00095 UJ	< 0.00095 UJ	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.00019	0.15	< 0.00019
	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
P-93C	P93C-ROX-071524	7/15/2024	< 0.00019	< 0.00019 UJ	< 0.0096	< 0.0096 UJ	< 0.0096	< 0.0096	< 0.00019	< 0.00019	< 0.0096	< 0.00019	< 0.00019	0.000070 J	< 0.0096	< 0.019	< 0.0096	< 0.0096	< 0.00019	0.024	< 0.00019
	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
P-93D	P93D-ROX-071224	7/12/2024	< 0.00019	< 0.00019 UJ	< 0.0096	< 0.0096 UJ	< 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
	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
ROST-3-MW	ROST3MW-ROX-070924	7/9/2024	< 0.00019	< 0.00019 UJ	< 0.0097	< 0.0097 UJ	< 0.0097	< 0.0097	< 0.00019	0.00010 J	< 0.0097	< 0.00019 UJ	0.00012 J	0.00016 J	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097	< 0.00019
	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

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)**																	
ROST-4-PZ(C)	ROST4PZ(C)-ROX-070924	7/9/2024	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	0.00027 J	< 0.0099	< 0.00020	0.0051	0.00035	< 0.0099	< 0.02	< 0.0099	< 0.0099	0.00022	< 0.0099	0.000070 J
	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
ROST-4-PZ(E)	ROST4PZ(E)-ROX-071024	7/10/2024	< 0.00019	< 0.00019 UJ	< 0.0097	< 0.0097 UJ	< 0.0097	< 0.0097	0.000037 J	< 0.00019	< 0.0097	< 0.00019	< 0.00019	< 0.00019	< 0.0097	< 0.019	< 0.0097	< 0.0097	< 0.00019	< 0.0097	0.000072 J
	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
ROST-4-PZ(G)	ROST4PZ(G)-ROX-070924	7/9/2024	< 0.00020	< 0.00020 UJ	< 0.0099	< 0.0099 UJ	< 0.0099	< 0.0099	< 0.00020	< 0.00020	< 0.0099	< 0.00020	0.00015 J	0.00021	< 0.0099	< 0.02	< 0.0099	< 0.0099	< 0.00020	< 0.0099	< 0.00020
	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
T-12	T12-ROX-071524	7/15/2024	< 0.00020	< 0.00020 UJ	< 0.0098	< 0.0098 UJ	< 0.0098	< 0.0098	< 0.00020	0.00020	< 0.0098	< 0.00020	0.012	0.018	< 0.0098	< 0.02	< 0.0098	< 0.0098	0.00044	0.022	< 0.00020
	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

Notes:

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

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

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

	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 quarterly sampling event 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:

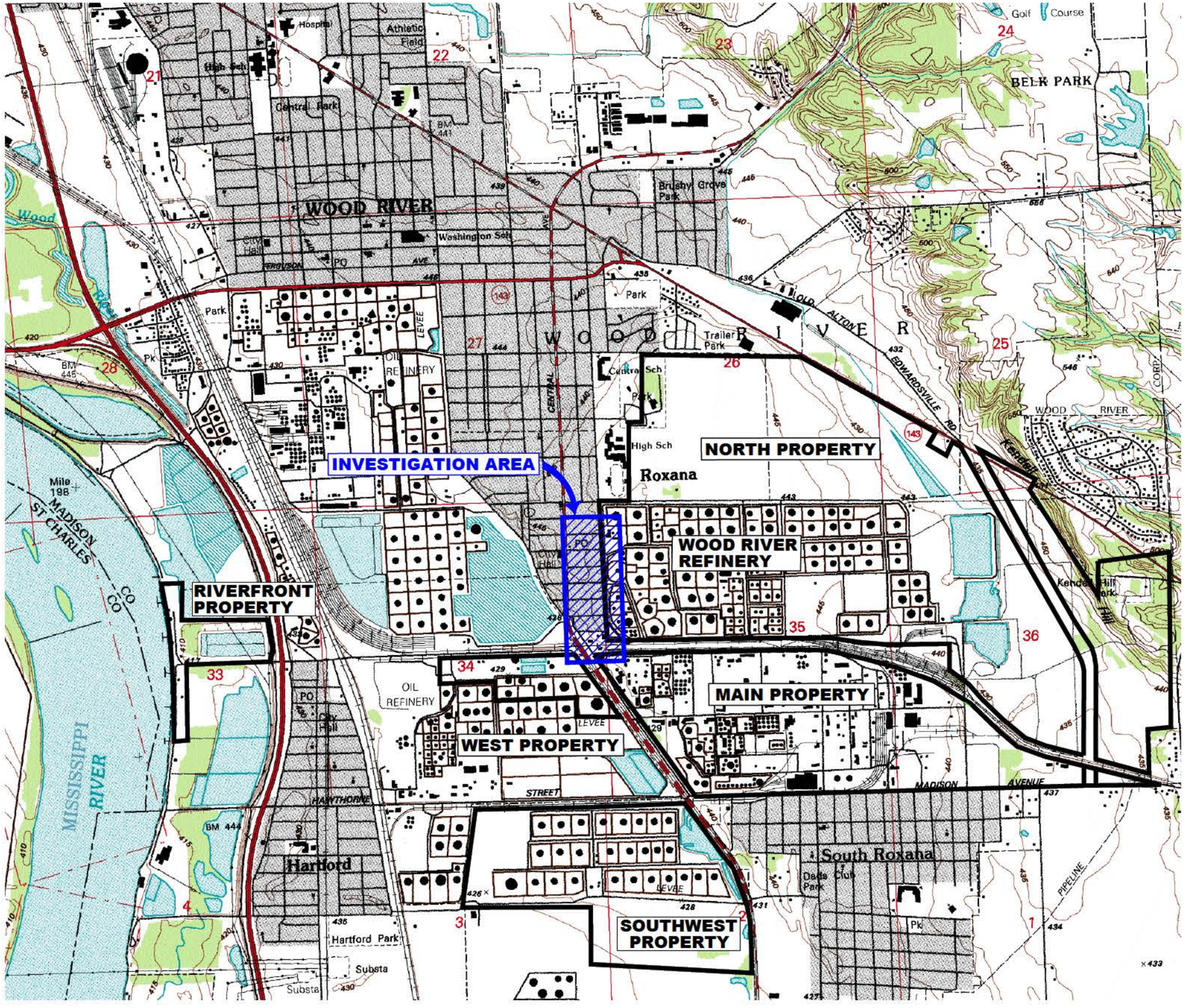
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

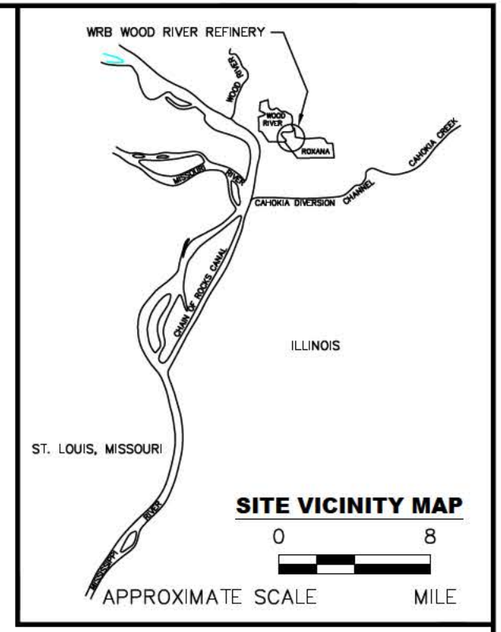
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

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 July 2025
DSGN. BY:mar
CHKD. BY:wmp

Investigation Area Location Map

FIG. NO. 1

File: C:\USERS\ALEXANDRIA\DUFFJ\DATA\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\60738868 800 S CENTRAL AVE, ROXANA\ROXANA 2025 GW RPT\DWG\FIGURE 1 INVESTIGATION AREA LOCATION MAP.DWG Last edited: 08/29/25 ● 1:23 PM ● WCC-ST.LOUIS

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 2025 GW RPT\DWG\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: Jun. 02, 25 @ 1:23 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
VILLAGE OF ROXANA
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
2ND STREET
1ST STREET
RAND AVENUE
BP
NORTH PROPERTY
WEST PROPERTY
MAIN PROPERTY
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-S
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-59*
P-61
GP-9-PZ
MW-16*
PZ-2(84)
PZ-2(70.5)
MW-12*
MW-20*
P-56*
MW-2*
MW-1*
MW-26*
MW-21*
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*
P-70
P-73
A-34
A-33
A-28
A-27
A-22
T-24
T-6
F-76
F-77
F-78
F-73
F-74
F-75

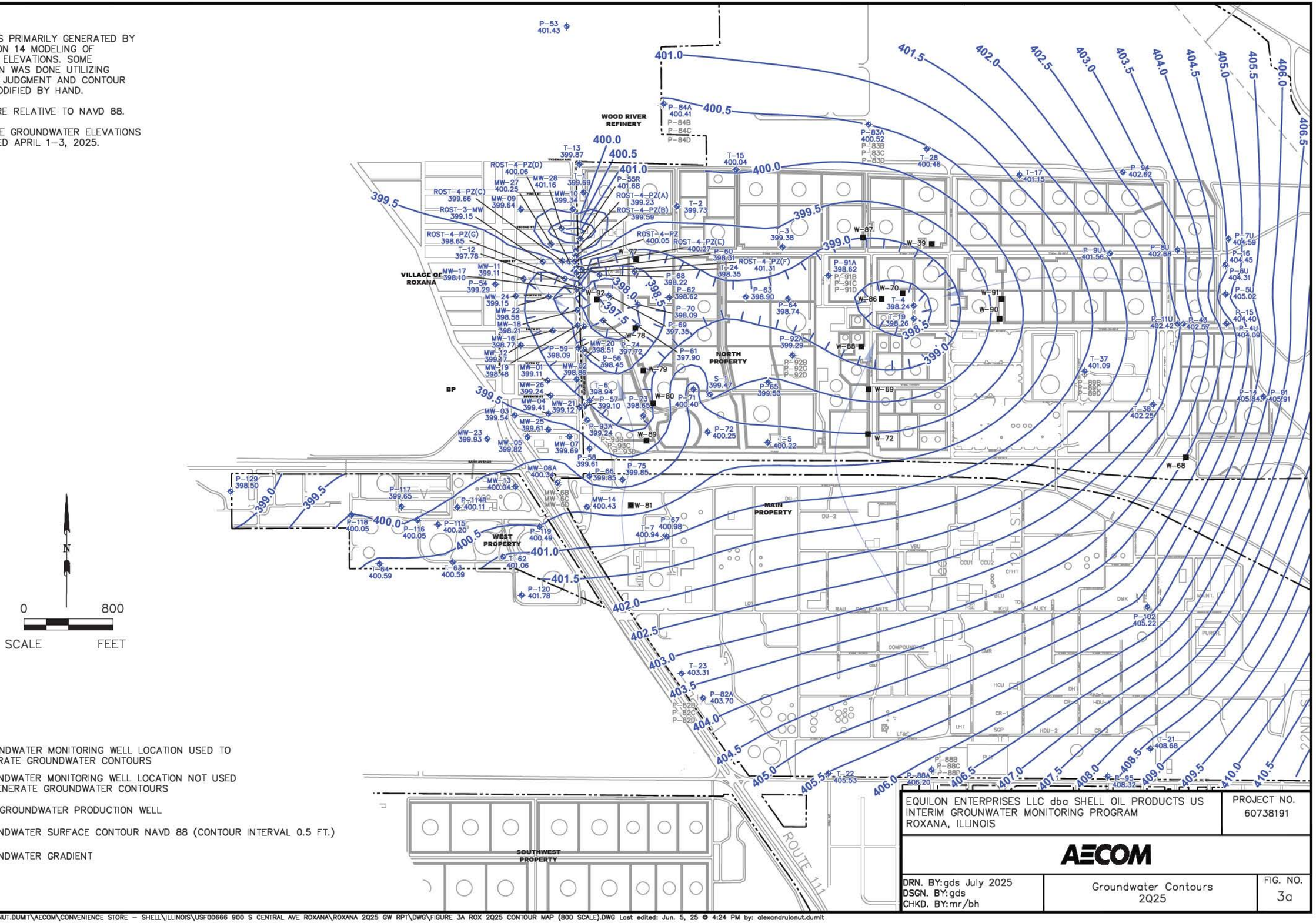
0 200
SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY:gds July 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 APRIL 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 July 2025 DSGN. BY:gds CHKD. BY:mr/bh	Groundwater Contours 2Q25	FIG. NO. 3a

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 2Q25 GW RPT\DWG\FIGURE 3A ROX 2Q25 CONTOUR MAP (800 SCALE).DWG Last edited: Jun. 5, 25 @ 4:24 PM by: alexandruionut.dumit

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE – SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 2Q25 GW RPT\DWG\FIGURE 3B ROX 2Q25 CONTOUR MAP (WF).DWG Last edited: Jun. 02, 25 @ 3:20 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 APRIL 1–3, 2025.

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

T-13 399.87
T-1 399.69
T-2 399.73
MW-10 399.34
MW-09 399.64
MW-28 401.16
P-55R 401.68
ROST-4-PZ(A) 399.23
MW-27 400.25
ROST-4-PZ(B) 399.59
ROST-4-PZ 400.05
ROST-4-PZ(C) 399.66
ROST-3-MW 399.15
ROST-4-PZ(E) 400.27
ROST-4-PZ(D) 400.06
P-60 398.31
P-68 398.22
T-24 398.35
MW-11 399.11
P-54 399.29
ROST-4-PZ(G) 398.65
ROST-4-PZ(F) 401.31
MW-17 398.10
P-69 397.35
MW-22 398.58
T-12 397.78
P-62 398.62
MW-24 399.15
W-92
P-70 398.09
MW-18 398.21
MW-19 398.48
P-74 397.72
P-61 397.90
W-78
P-59 398.09
MW-16 398.77
MW-12 399.17
MW-20 398.51
P-56 398.45
MW-02 398.86
MW-01 399.11
W-79
T-6 398.94
MW-26 399.24
W-80
MW-04 399.41
MW-21 399.12
P-57 399.10
P-73 398.65
MW-03 399.54
P-93A 399.24
P-93B
P-93C
MW-25 399.61
P-71 400.40
S-1 399.47
MW-23 399.93
MW-05 399.82
MW-07 399.69
W-89
P-72 400.25
P-58 399.61
P-66 399.85
P-75 399.85
MW-06A 400.34
MW-6B
MW-6C
MW-6D
MW-13 400.04
P-117 399.65
R-114R 400.11
MW-14 400.43
W-81
P-116 400.05
P-115 400.20
P-119 400.49
T-7 400.94
P-67 400.98
T-64 400.59
T-63 400.59
T-62 401.06

400.0
400.5
401.0
397.5
398.0
398.5
399.0
399.5
400.0
400.5
401.0
401.5

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60738191
AECOM	
DRN. BY:gds July 2025 DSGN. BY:gds CHKD. BY:mr/bh	Groundwater Contours 2Q25–West Fenceline
	FIG. NO. 3b

0 300
SCALE FEET
N

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 2025 GW RPT\DWG\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE) 2025.DWG Last edited: Jul. 3, 25 @ 11:23 AM 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 APRIL 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
WOOD RIVER REFINERY
MAIN PROPERTY
WEST PROPERTY
PUBLIC WORKS YARD
1986 APPROXIMATE BENZENE RELEASE SITE
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
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(E) ROST-4-PZ(F) ROST-4-PZ(G) MW-11 MW-17 MW-24 MW-22 MW-18 MW-19 MW-16 MW-12 MW-20 MW-2 MW-1 MW-26 MW-21 MW-3 MW-4 MW-25 MW-5 MW-7 MW-23 MW-13 MW-6A MW-6B MW-6C MW-6D MW-14
P-54 P-55R P-56 P-57 P-58 P-59 P-60 P-68 P-69 P-74 P-70 P-62 P-61 P-73 P-93A P-93B P-93C P-93D P-72 P-66 P-75 P-67 P-117 P-114R P-116 P-115 P-119 P-71
0.1 0.34 0.15 0.1 0.01 0.01 0.01 0.06 0.02 0.75 1.6 2.1 0.55 1.51
R-77 W-77 T-24 R-78 W-78 R-79 W-79 R-80 W-80 R-89 W-89 R-81 W-81
W-92 F-50 F-76 F-77 F-78 F-73 F-74 F-75 S-1

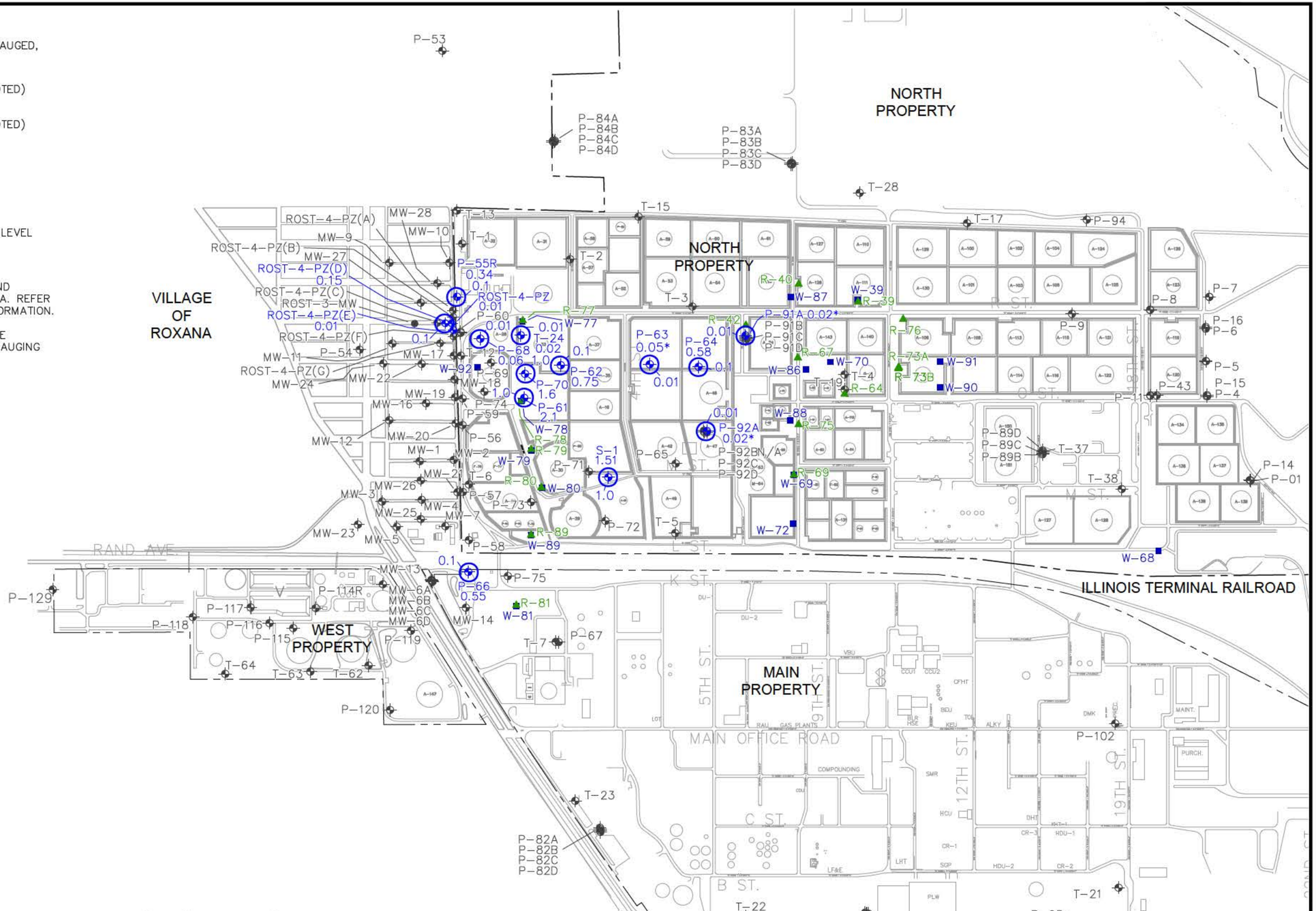
0 300
SCALE FEET
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY:gds July 2025 DSGN. BY:mr CHKD. BY:bh	2Q25 Thickness of LNAPL – West Fenceline	FIG. NO. 4a

LEGEND

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

NOTES:
1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WRR AREA. REFER TO TABLE 1 FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON APRIL 1–3, 2025.



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60738191
AECOM		
DRN. BY: gds July 2025 DSGN. BY: mr CHKD. BY: bh	2Q25 Thickness of LNAPL	FIG. NO. 4b

File: C:\USERS\ALEXANDRIA\DOCUMENTS\ARCGIS\CONVENIENCE STORE – SHELL\ILLINOIS\ISF60668 #001 S CENTRAL AVE, ROXANA\ROXANA 2025 Q2\ACTIVE\FIGURE 4B THICKNESS OF LNAPL (REFINED) 2025.DWG Last edited: Jul. 03, 25 @ 11:25 AM by: dteranc

File: C:\USERS\ALEXANDRUIONUT.DUMIT\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\USF00666 900 S CENTRAL AVE ROXANA\ROXANA 2Q25 GW RPT\DWG\FIGURE 5 2Q25 GROUNDWATER ANALYTICAL RESULTS SUMMARY.DWG Last edited: Jul. 25, 25 @ 4:33 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
Naphthalene	0.077
1,2,4-Trimethylbenzene	0.07
1,3,5-Trimethylbenzene	0.07
2-Methylnaphthalene	0.015
Phenol	0.1

3. MULTIPLE RESULTS (e.g., 190/230) 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 2Q25 DUE TO THE PRESENCE OF LNAPL.

B = TARGET ANALYTE WAS IDENTIFIED IN THE METHOD BLANK.

MW-9 MW-10 MW-28 MW-27 MW-11 MW-17 MW-24 MW-22 MW-18 MW-19 MW-16 MW-12 MW-20 MW-1 MW-2 MW-26 MW-21 MW-3 MW-4 MW-5 MW-25 MW-7 MW-23 MW-13 MW-6A MW-6B MW-6C MW-6D MW-14 P-114R

ROST-4-PZ(A) ROST-4-PZ(B) ROST-4-PZ(C) ROST-4-PZ(D) ROST-4-PZ(E) ROST-4-PZ(F) ROST-4-PZ(G) ROST-3-MW

P-54 P-55R P-56 P-57 P-58 P-59 P-60 P-61 P-66 P-68 P-69 P-70 P-73 P-74 P-75

T-6 T-12 T-24

A-22 A-27 A-28 A-33 A-34 F-76 F-77 F-78 F-73 F-74 F-75

SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST

HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
1ST STREET
2ND STREET

VILLAGE OF ROXANA
NORTH PROPERTY
WOOD RIVER REFINERY
BP
WEST PROPERTY
MAIN PROPERTY
1986 APPROXIMATE BENZENE RELEASE SITE
2020 APPROXIMATE BUCKEYE PIPELINE GASOLINE RELEASE SITE
RAND AVENUE

Sample Location	MW-22
Sampled 4/17/2025	Result (mg/L)
Benzene	0.083 / 0.079
Ethylbenzene	0.88 / 0.82
Naphthalene	0.23 / 0.22
1,2,4-Trimethylbenzene	0.26 / 0.23
1,3,5-Trimethylbenzene	0.15 / 0.13
2-Methylnaphthalene	0.034 / 0.027

Sample Location	P-93A	P-93B	P-93C
Sampled 4/17/2025, 4/18/2025	Result (mg/L)	Result (mg/L)	Result (mg/L)
Benzene	49	880	0.25
Phenol		0.25	

Sample Location	MW-25
Sampled 4/18/2025	Result (mg/L)
Benzene	190 / 230
Phenol	0.73 / 0.67

Sample Location	ROST-4-PZ (C)
Sampled 4/16/2025	Result (mg/L)
Naphthalene	0.11 / 0.11

Sample Location	ROST-4-PZ (G)
Sampled 4/16/2025	Result (mg/L)
Benzene	0.012

Sample Location	T-12
Sampled 4/16/2025	Result (mg/L)
Benzene	1.8

Sample Location	P-74
Sampled 4/18/2025	Result (mg/L)
Benzene	1.9 / 1.9
Phenol	0.69 / 0.64

Sample Location	P-59
Sampled 4/16/2025	Result (mg/L)
Benzene	0.61
1,2,4-Trimethylbenzene	0.13

Sample Location	P-57
Sampled 4/17/2025	Result (mg/L)
Benzene	0.059
2-Methylnaphthalene	0.017

Sample Location	MW-7
Sampled 4/18/2025	Result (mg/L)
Benzene	400
Phenol	0.18

Sample Location	P-58
Sampled 4/18/2025	Result (mg/L)
Benzene	200
2-Methylnaphthalene	0.034 B
Phenol	0.44

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 July 2025
DSGN. BY:mr
CHKD. BY:bh

2Q25 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 2Q25 GW RPT\DWG\FIGURE 6 2Q25 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: Jul. 25, 25 @ 4:35 PM 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:

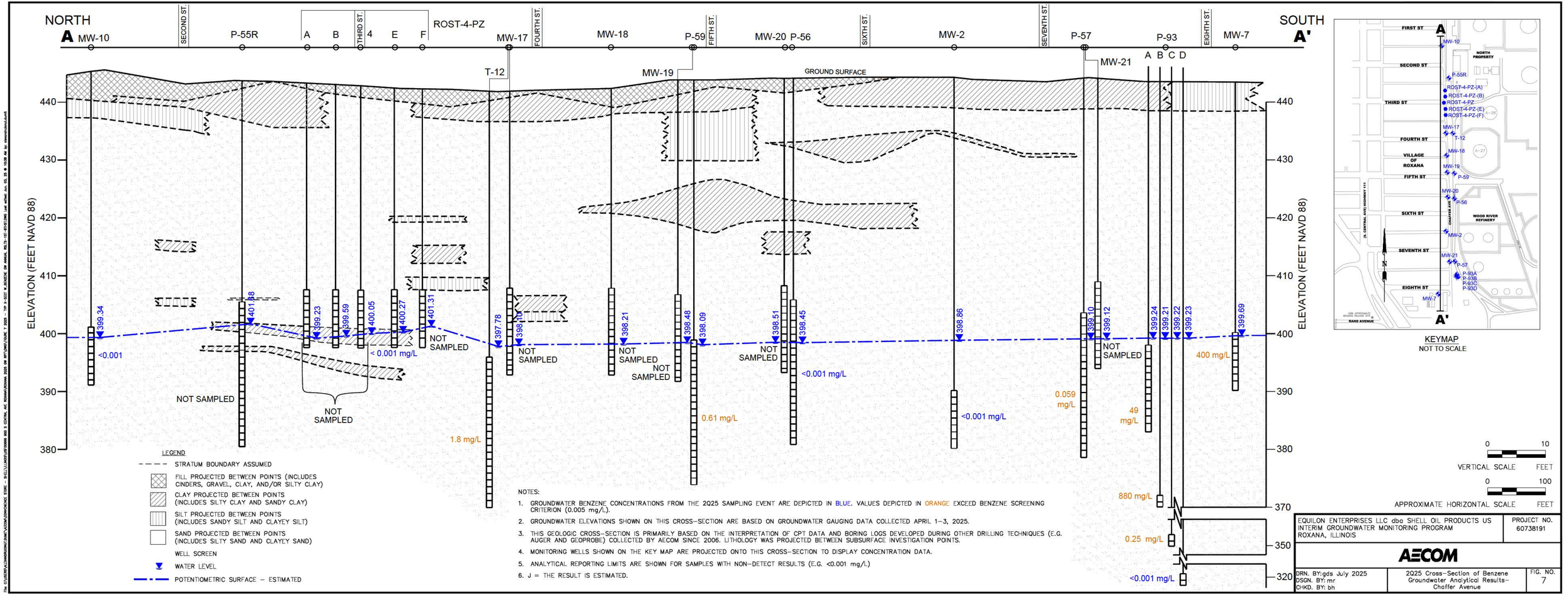
1. IMAGES GENERATED UTILIZING CTECH MINING VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES 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. 190/230) 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 2Q25 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.

SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
1ST STREET
2ND STREET
RAND AVENUE
VILLAGE OF ROXANA
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
WOOD RIVER REFINERY
PUBLIC WORKS YARD
BP

PZ-1(101)
PZ-1(85)
MW-9 <0.001
MW-10 <0.001
MW-28 <0.001
MW-27 <0.001
ROST-4-PZ(A)
ROST-4-PZ(B)
ROST-4-PZ(C) 0.0014 / 0.0015
ROST-4-PZ(D) 0.15
ROST-3-MW <0.001
ROST-4-PZ(E) <0.001
ROST-4-PZ(F)
ROST-4-PZ(G) 0.012
MW-11 <0.001
MW-17
MW-22 0.083 / 0.079
MW-18
MW-19
MW-16 <0.001
PZ-2(84)
PZ-2(70.5)
MW-12 <0.001
MW-20
MW-01 <0.001
MW-2 <0.001
MW-26 0.00057 J
MW-21
MW-4 <0.001
MW-3 <0.001
MW-25 190 / 230
MW-5 <0.001
MW-7 400
MW-23 <0.001
MW-13 <0.001
MW-6A <0.001
MW-6B <0.001 / <0.001
MW-6C <0.001
MW-6D 0.00076 J
MW-14 <0.001
P-54 <0.001
MW-24 0.0019
P-55R 0.34
P-60-11
P-60-S
P-60
P-60-12
P-60-13
P-68 0.06
T-24 0.02
T-12 1.8
P-69
W-92
P-70 1.6
P-74 1.9 / 1.9
P-59 0.61
P-61 2.1
R-78
W-78
P-56 <0.001
R-77
W-77
R-79
W-79
R-80
W-80
R-81
W-81
R-89
W-89
T-6
P-57 0.059
P-93A 49
P-93B 880
P-93C 0.25
P-93D <0.001
P-58 200
P-73
P-75
P-66 0.55
P-114R <0.001
P-115
A-34
A-28
A-33
A-27
A-22
F-76
F-77
F-78
F-73
F-74
F-75
0.005
0.05
0.5
5
50
0.1

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 July 2025 DSGN. BY:mr CHKD. BY:bh	2Q25 Dissolved Phase Benzene Concentrations in Groundwater	FIG. NO. 6



NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 2025 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED APRIL 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.

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 July 2025
DSGN. BY: mr
CHKD. BY: bh

2Q25 Cross-Section of Benzene Groundwater Analytical Results–Chaffee Avenue

FIG. NO. 7

CROSS SECTION LINE - SOME FEATURES HAVE BEEN PROJECTED

WEST B — B' EAST

MW-6D MW-6C MW-6B MW-6A SVE-27 MW-7 P-93A P-93B P-93C P-93D T-6

(S. CENTARL AVE) HIGHWAY 111 — EIGHTH ST — SEVENTH ST

GROUND SURFACE

ELEVATION FEET NAVD 88

440 420 400 380 360 340 320

400.34 400.28 400.35 400.38 399.69 399.24 399.21 399.22 399.23 398.94

<0.001 mg/L

<0.001 / <0.001 mg/L

<0.001 mg/L

0.00076 J mg/L

400 mg/L

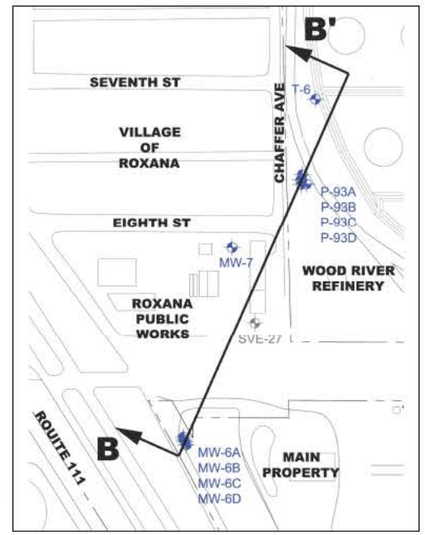
49 mg/L

880 mg/L

0.25 mg/L

<0.001 mg/L

NOT SAMPLED



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 1Q25 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED APRIL 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. J = THE RESULT IS ESTIMATED
9. MULTIPLE RESULTS (e.g. <0.001 / <0.001) 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 July 2025 DSGN. BY:mr CHKD. BY:bh	2Q25 Cross-Section of Benzene Groundwater Analytical Results-Roxana Public Works Yard	FIG. NO. 8

File: C:\USERS\VLEDANOIS\DUNTLDUNTY\AECOM\CONVENIENCE STORE - SHELL\ILLINOIS\60738191 400 S CENTRAL AVE, ROXANA\ROXANA 2025 GW RPT\DWG\FIGURE 8 2025 TYP X-SECT W_BENZENE GW ANAL RSLTS-HWY111-CHAFFER.DWG Last edited: Jun. 03, 25 @ 10:38 AM by: dleandoisleduntt

Appendix A

Regulatory History

Appendix A

Regulatory History

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

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

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

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, 2024c). A response to this July 27, 2016 letter is pending as of the date of this report.

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 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.

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 in order to provide additional information regarding the proposed GMZ. On September 26, 2018, AECOM, on behalf of SOPUS, submitted *Groundwater Management Zone – Additional Information* to present information requested via email dated September 5, 2018 (AECOM, 2018b). On 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, 2022b). A response to the proposed GMZ is still pending as of the date of this report.

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).

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

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

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

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

On August 22, 2022, IEPA approved with conditions the Public Works Yard (PWY) Steam Enhanced Extraction (SEE) Workplan (CA-107) (IEPA, 2022a). 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) (IEPA, 2022a). 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 (AECOM, 2022b).

On December 16, 2022, AECOM, on behalf of Shell, submitted the Roxana PWY SEE – FDRCWP (AECOM, 2022c) to IEPA in fulfillment of Phase II of the Corrective Measures Program (CMP); the Roxana PWY SEE – FDRCWP 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. The Roxana PWY SEE – FDRCWP responded to conditions in IEPA's August 22, 2022 letter (CA-107).

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 Public Works Yard (PWY) Steam Enhanced Extraction (SEE) – Final Design Report and Construction Work Plan (FDRCWP) (AECOM, 2022c). The PWY SEE FDRCWP was submitted to IEPA by AECOM, on behalf of Shell, on December 16, 2022 to satisfy Phase II of the Corrective Measures Program (CMP) and respond to conditions in IEPA's August 22, 2022 letter. The IEPA August 22, 2022 letter approved, with conditions, the PWY SEE Workplan, which was submitted to IEPA by AECOM, on behalf of Shell, on January 31, 2022. A meeting on September 21, 2022 was held with AECOM, Shell, McMillan-McGee and IEPA to discuss comments pertaining to IEPA's August 22, 2022 letter, including additional PWY sampling.

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 (IEPA, 2022b). On March 2, 2022, AECOM, on behalf of Shell, submitted the Contained-In Determination Request Form (AECOM, 2022e) to IEPA that was inadvertently left out of the Contained-In Determination submitted February 21, 2022 (AECOM, 2022d). 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 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 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 May 5, 2023, IEPA approved with conditions the PWY Final Design Report and Construction Work Plan (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 (TIZ) of SEE at the PWY (CA-109) (IEPA, 2023b).

On August 1, 2023, IEPA responded to the AECOM letter dated July 6, 2023, *Notice of Water Production Well W-85 Damage*, 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" (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 3, 2023, AECOM, on behalf of Shell, submitted a response (AECOM, 2023d) to the IEPA letter dated May 5, 2023. The May 5, 2023, letter was in response to the Final Design Report and Construction Work Plan (FDRCWP) dated December 16, 2023; as well as a smaller submittal with additional information supplementing the FDRCWP, dated January 30, 2023.

On August 11, 2023, AECOM on behalf of Shell, submitted a Class 1* Permit Modification (AECOM, 2023e) 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. 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. IEPA issued a Proposed Compliance Commitment Agreement, which was dated March 21, 2024, and received by AECOM on March 25, 2024.

On January 26,2024, IEPA approved with conditions the Response to 5/5/2023 Illinois EPA Letter as well as two Additional Information submittals related to the FPWY 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 1/26/2024 (AECOM, 2024a). 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 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, 2024b).

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

On April 22, 2024, IEPA approved with conditions the Response to 1/26/2023 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, 2024c).

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

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

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

AECOM, 2022 (AECOM, 2022e); *Contained-In Determination Request Form for PWY Pretreatment Water Management*. Prepared for Shell Oil Products US (Shell), dated March 2, 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); *Response to May 5, 2023 IEPA FPWY SEE Letter*. Prepared for Shell Oil Products US (Shell), dated August 3, 2023.

AECOM, 2023 (AECOM, 2023e); *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 January 26, 2024 IEPA FPWY SEE Letter.* Prepared for Shell Oil Products US (Shell), dated February 23, 2024.

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

AECOM, 2024 (AECOM, 2024c); *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.

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.

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.

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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.

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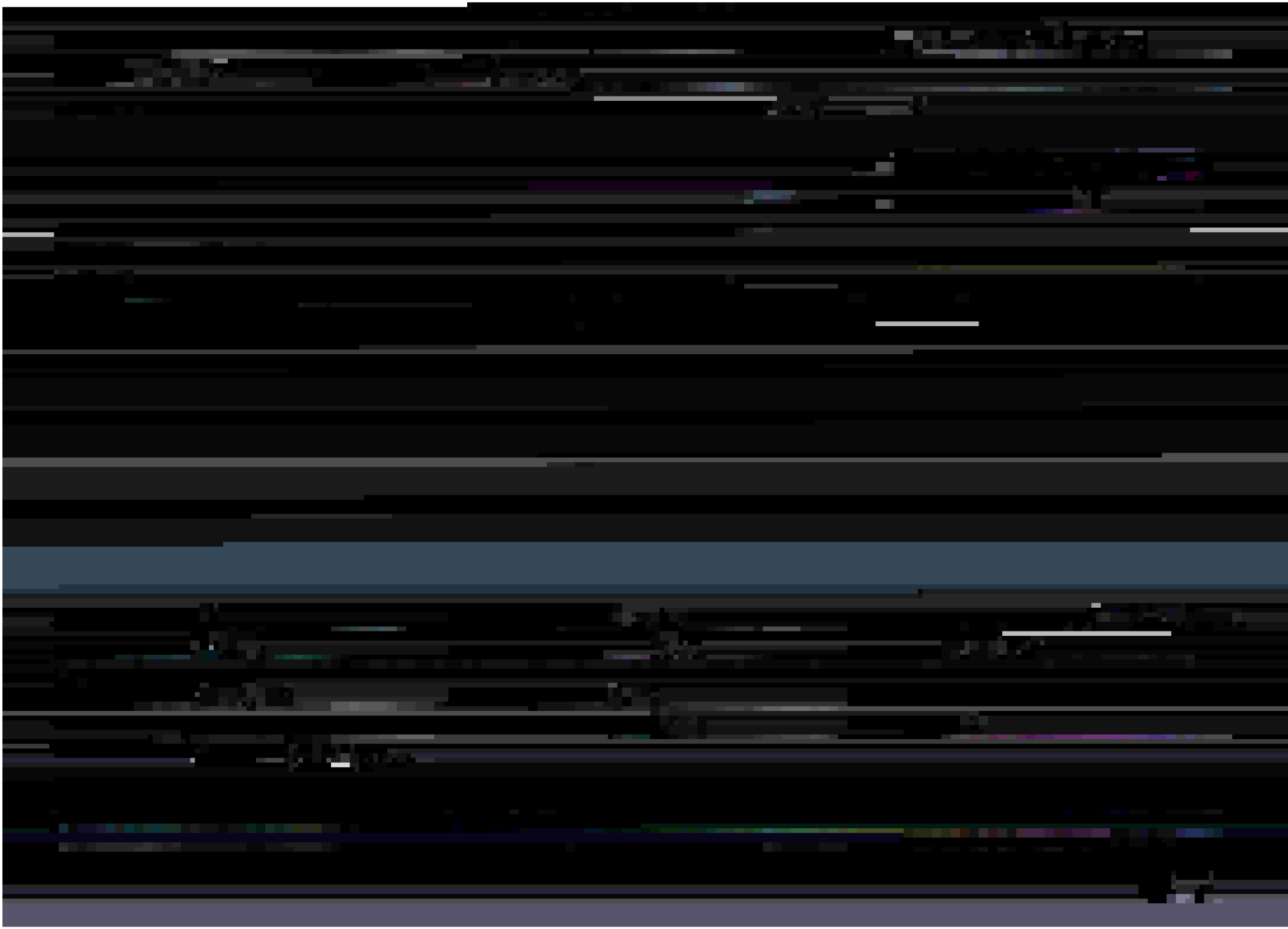
URS Corporation, 2014 (URS, 2014a); *Perched Groundwater Monitoring Locations*; Prepared for Shell Oil Products US (Shell); dated January 14, 2014.

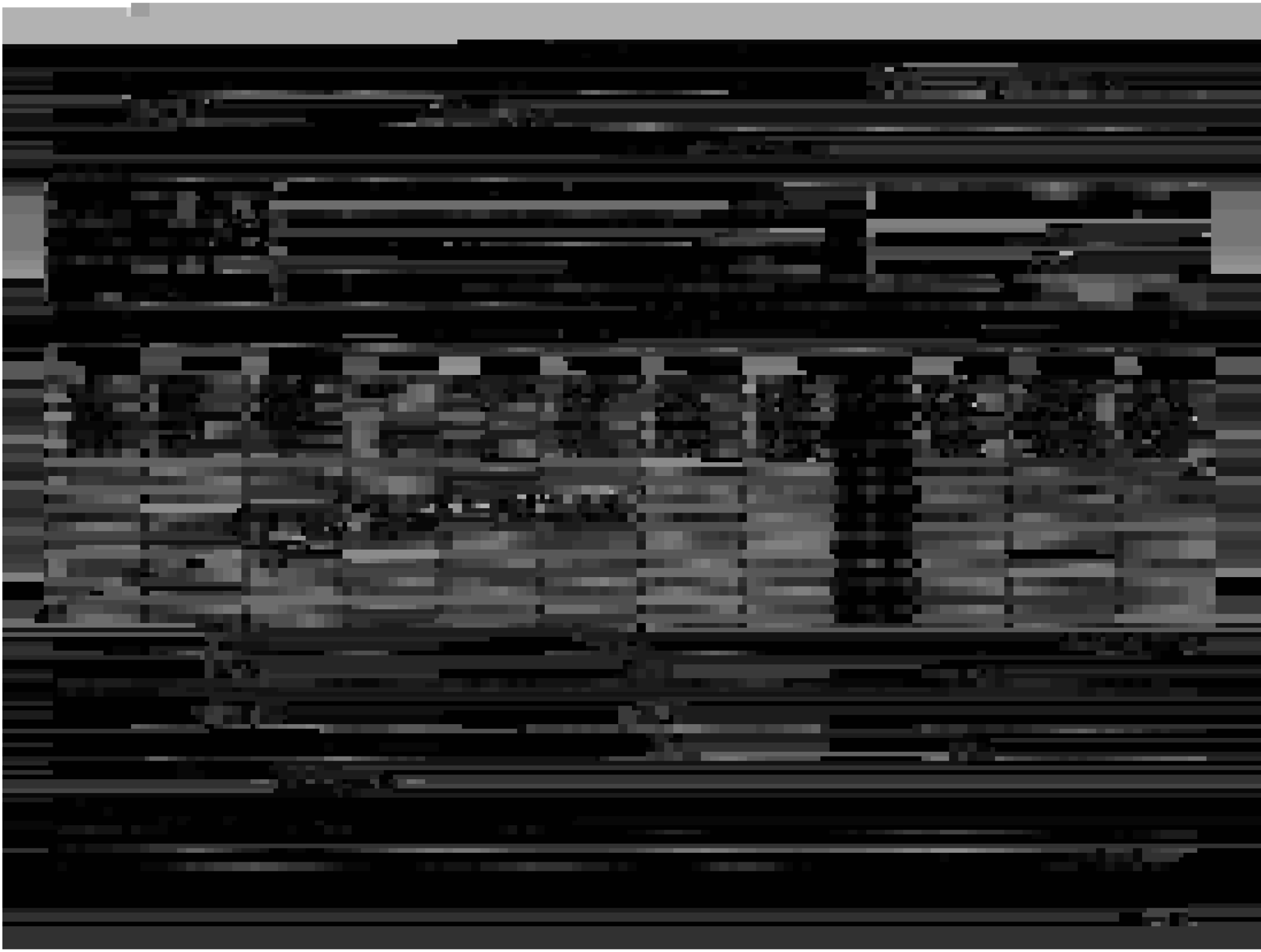
URS Corporation, 2014 (URS, 2014b); *Perched Groundwater Monitoring Request for Abandonment*; Prepared for Shell Oil Products US (Shell); dated January 14, 2014.

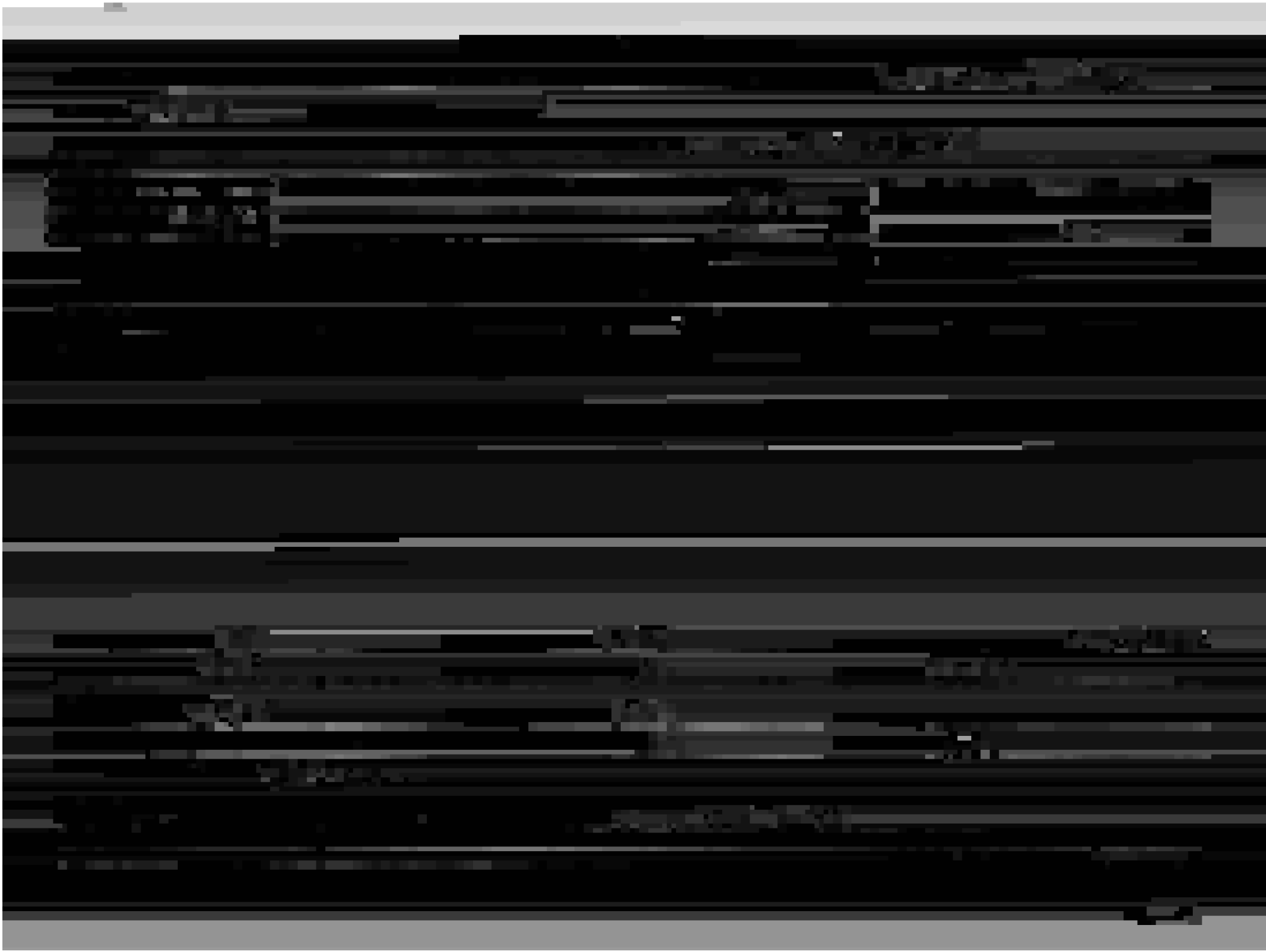
URS Corporation, 2014 (URS, 2014c); *Request to Reduce Gauging – Roxana Groundwater Monitoring Program, Roxana IL*; Prepared for Shell Oil Products US (Shell); dated December 5, 2014.

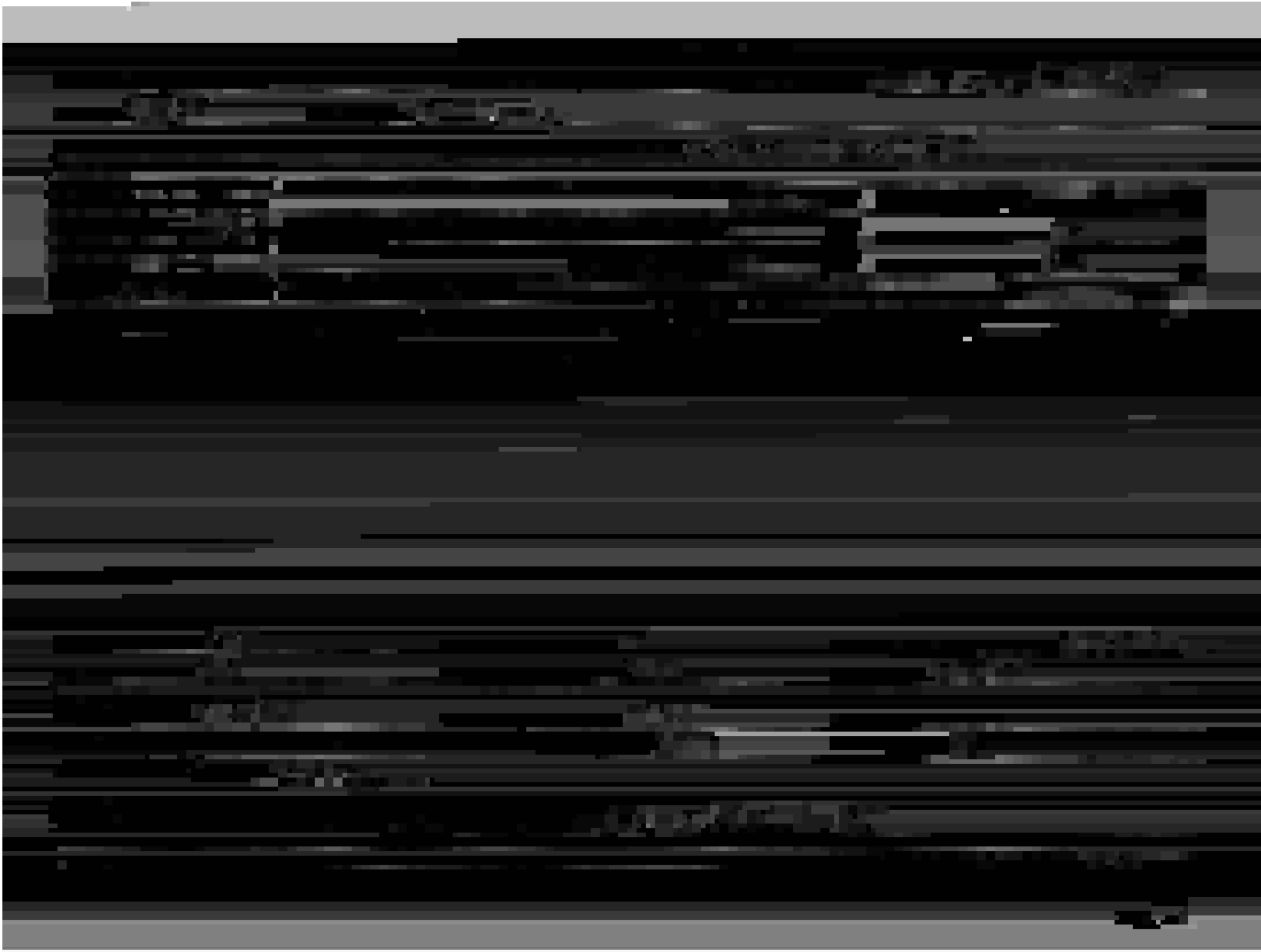
Appendix B

Low Flow Groundwater Sampling Data Sheets

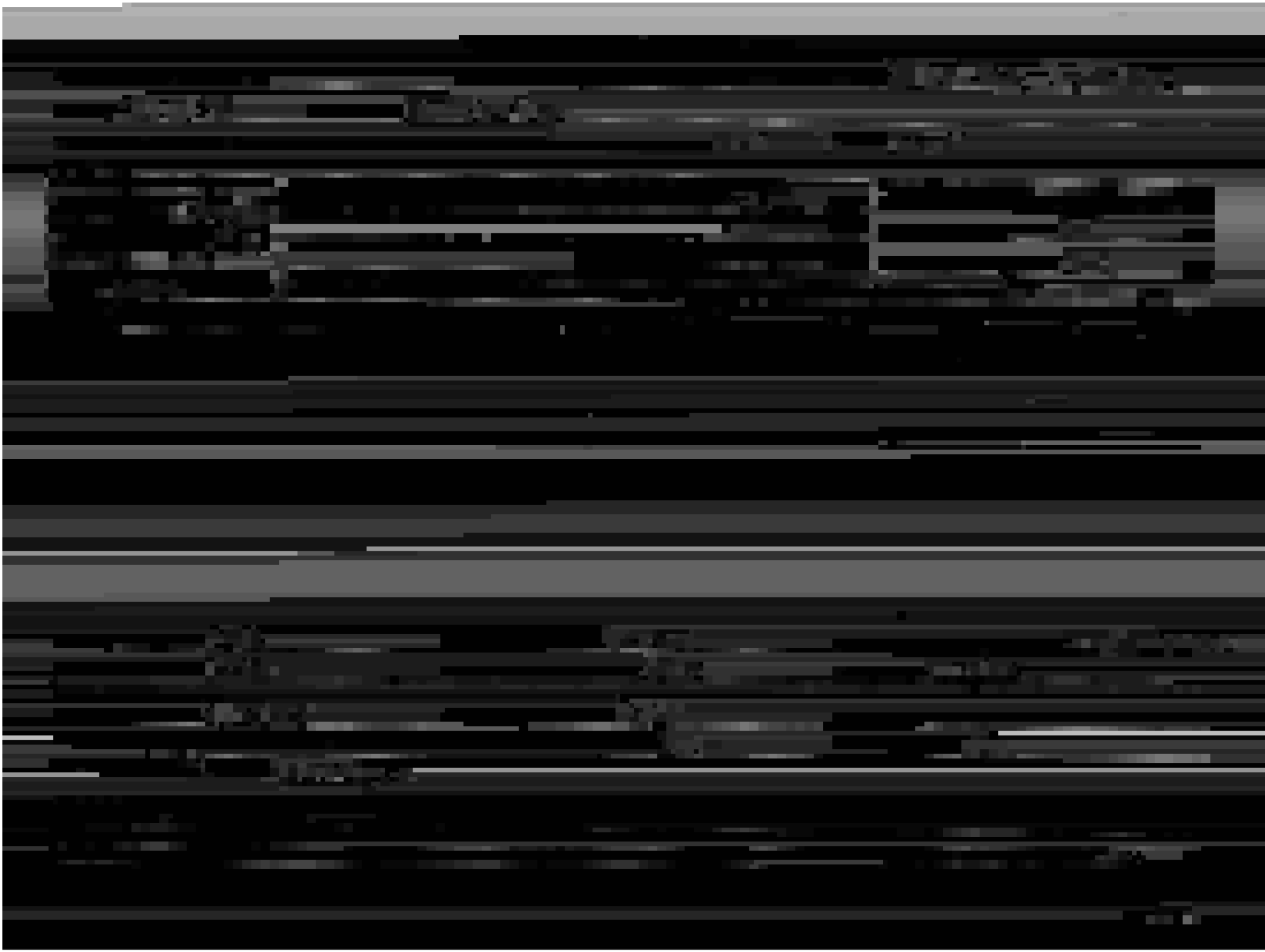




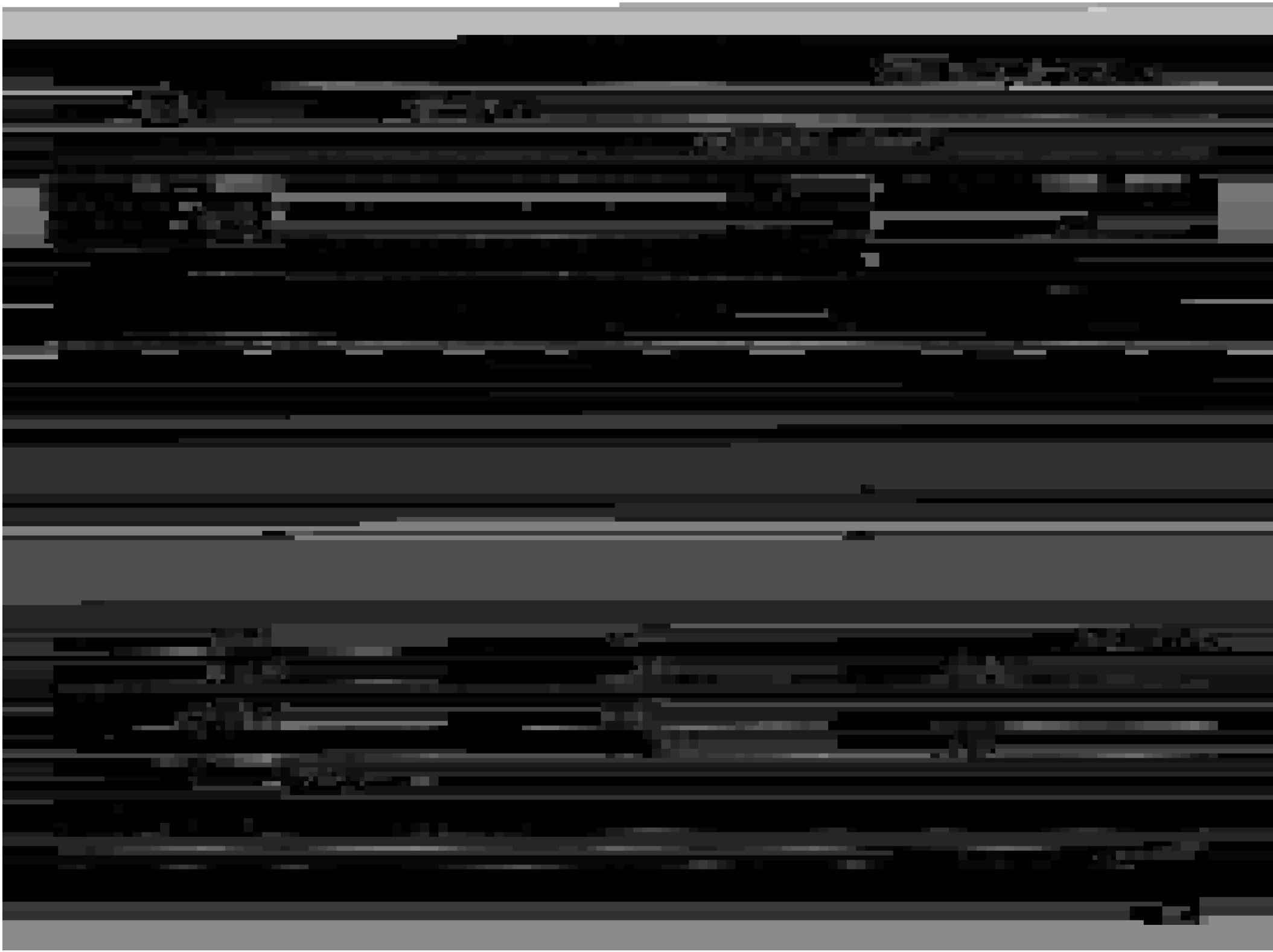


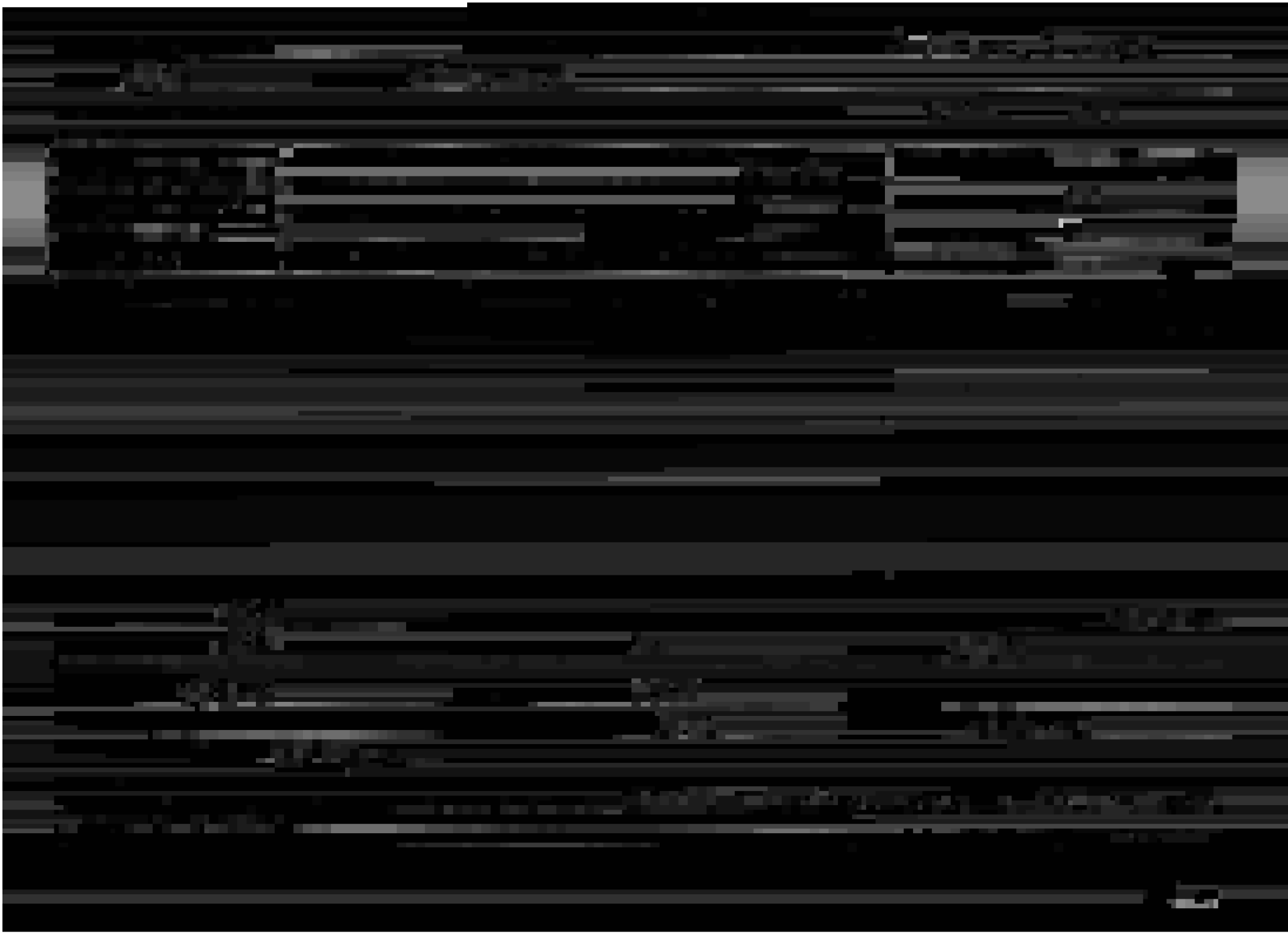


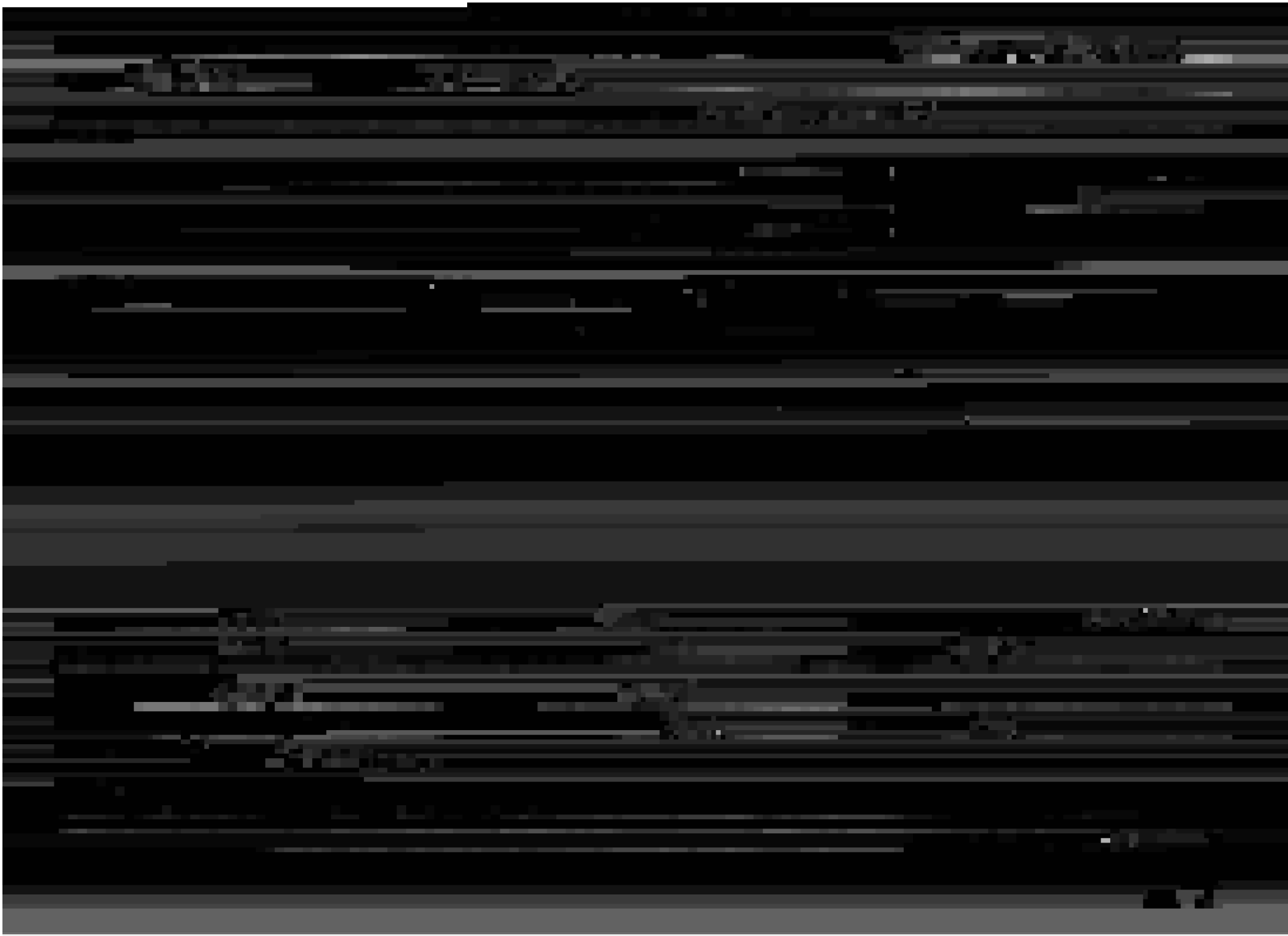


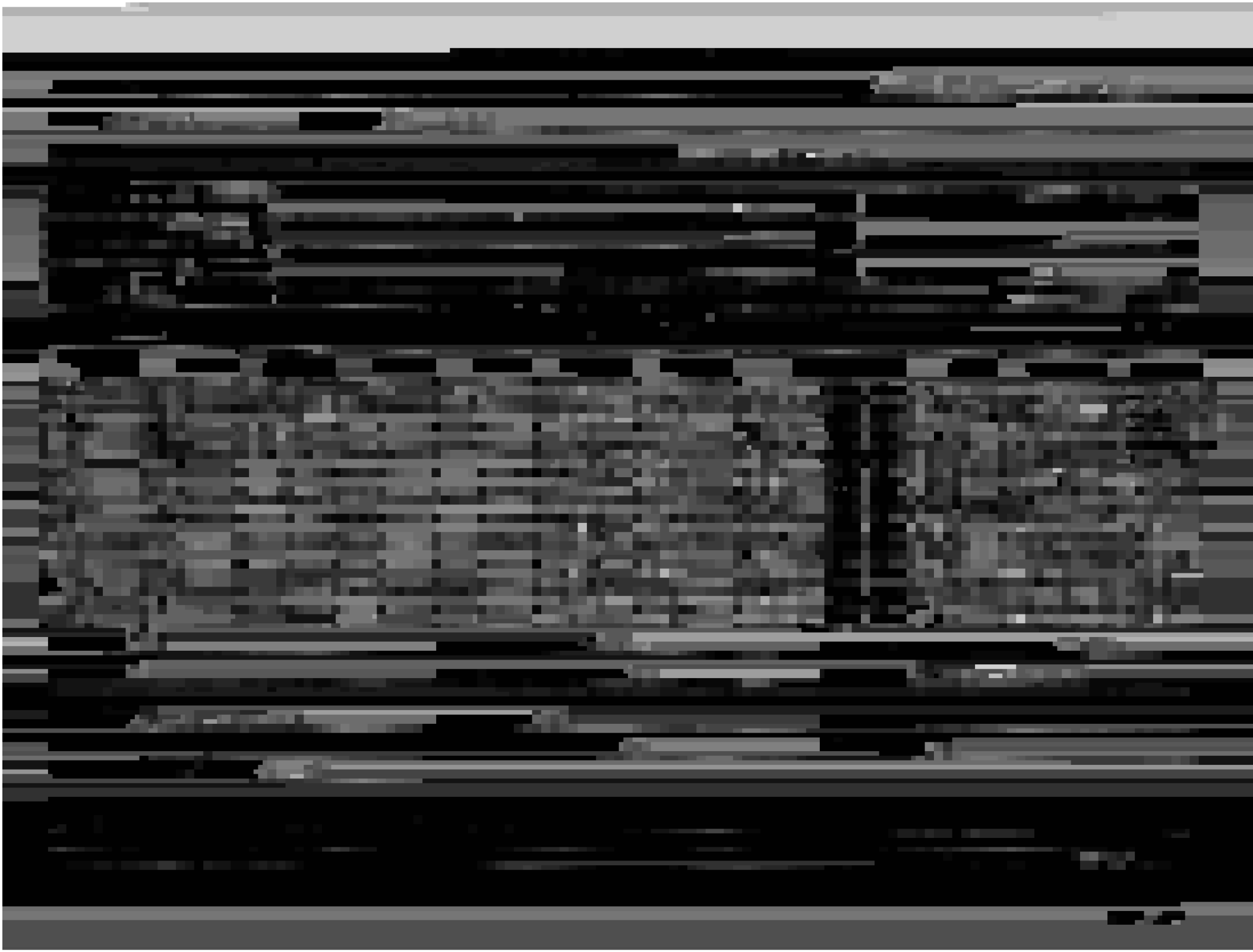


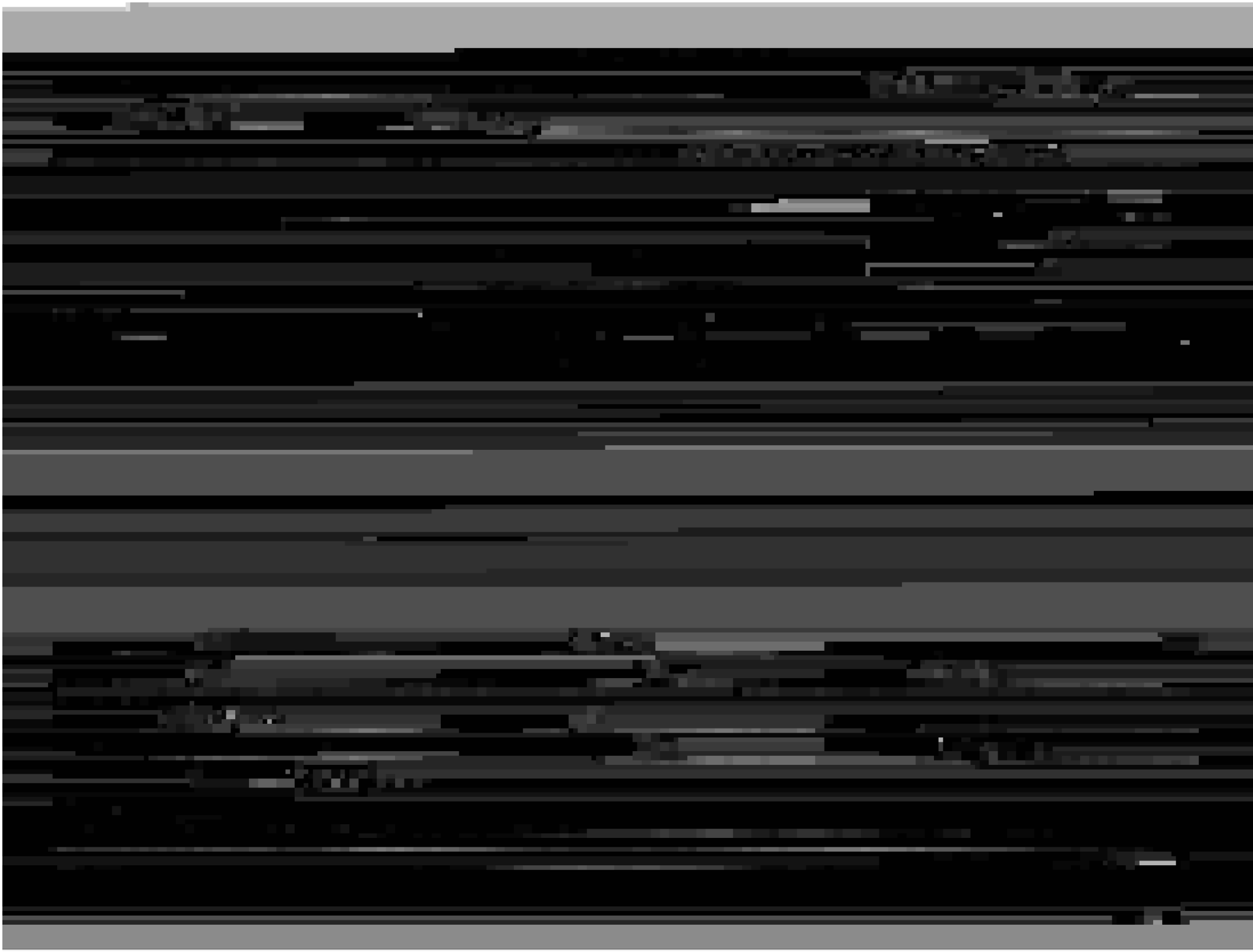






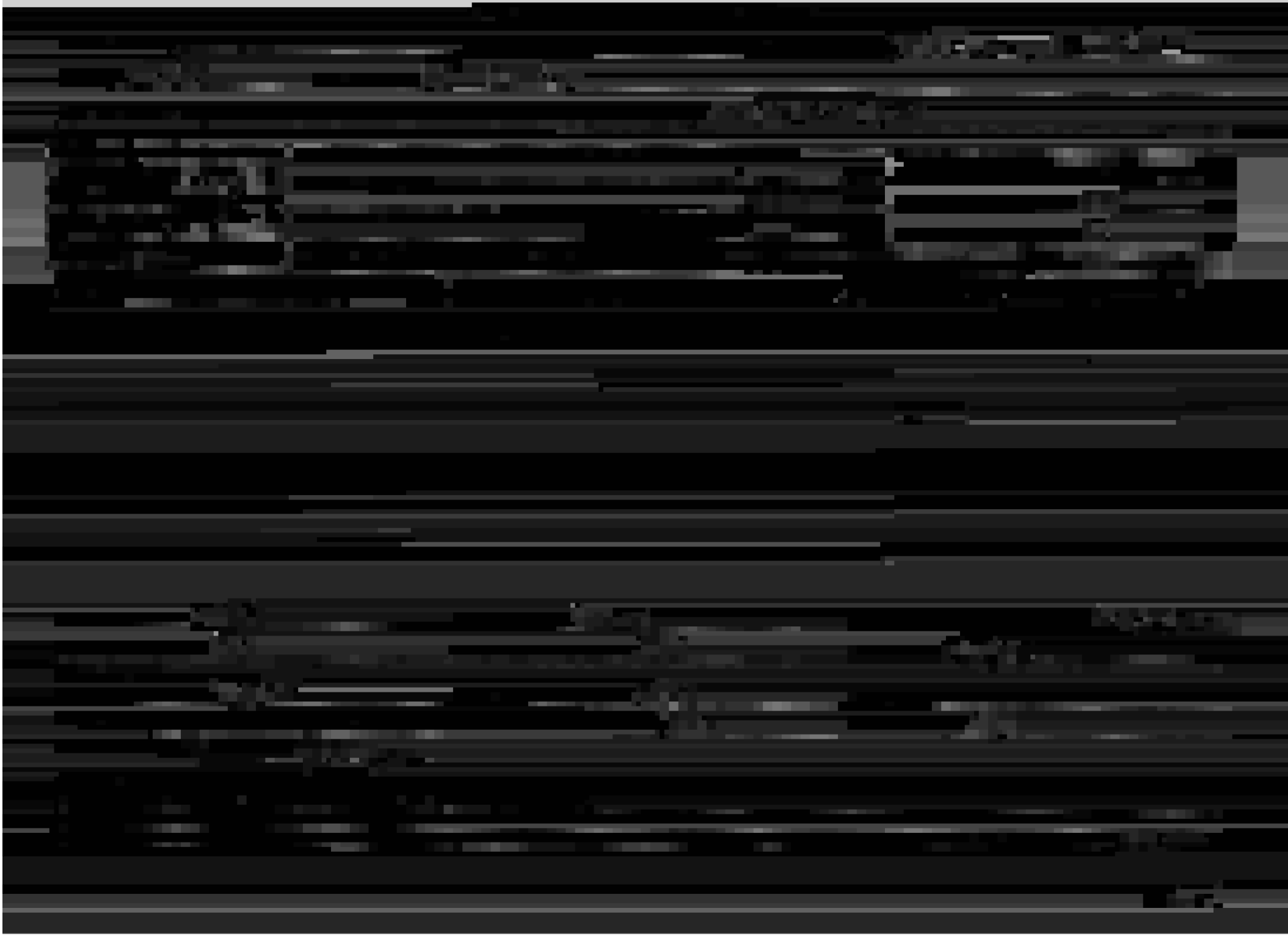


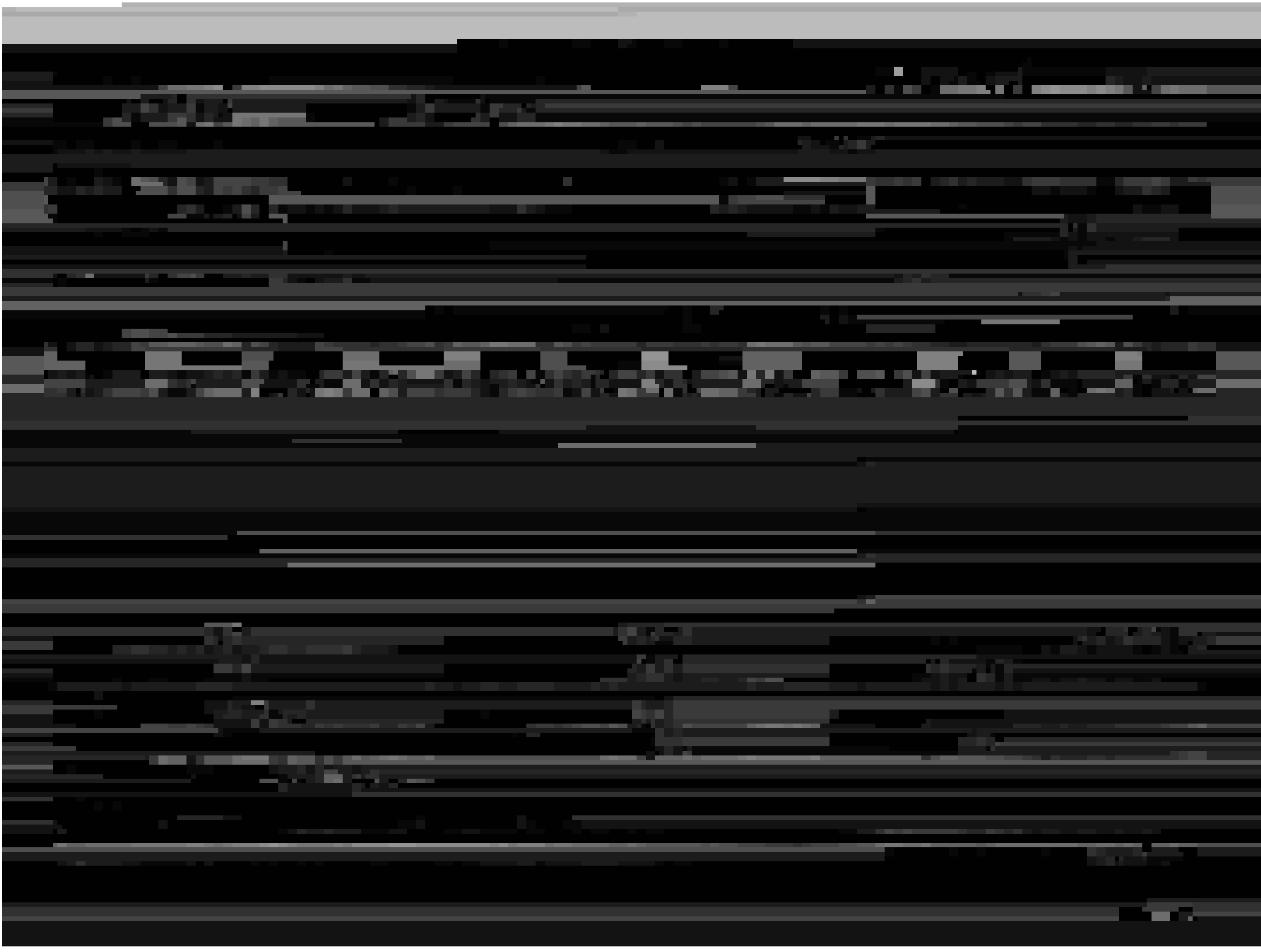






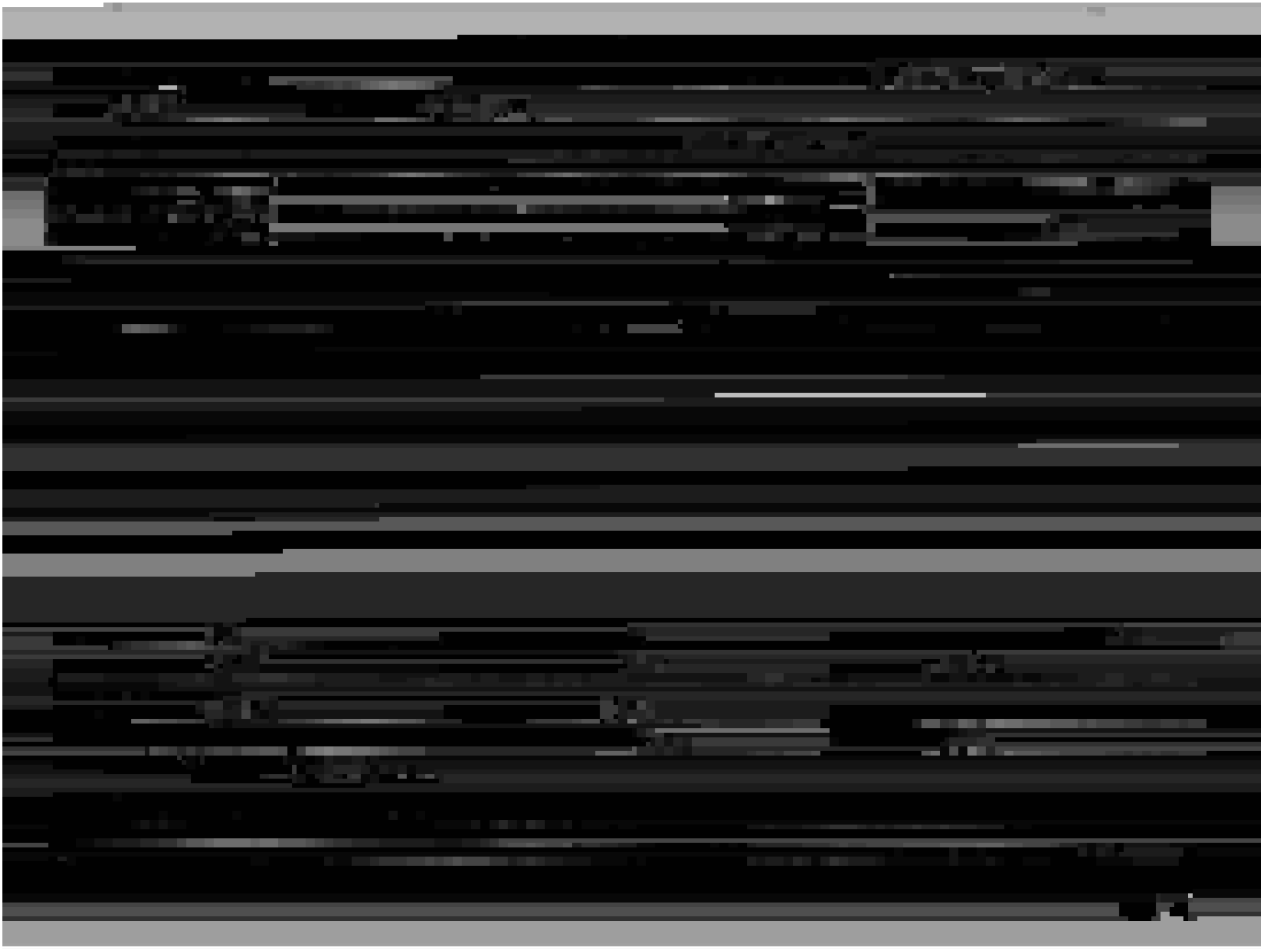


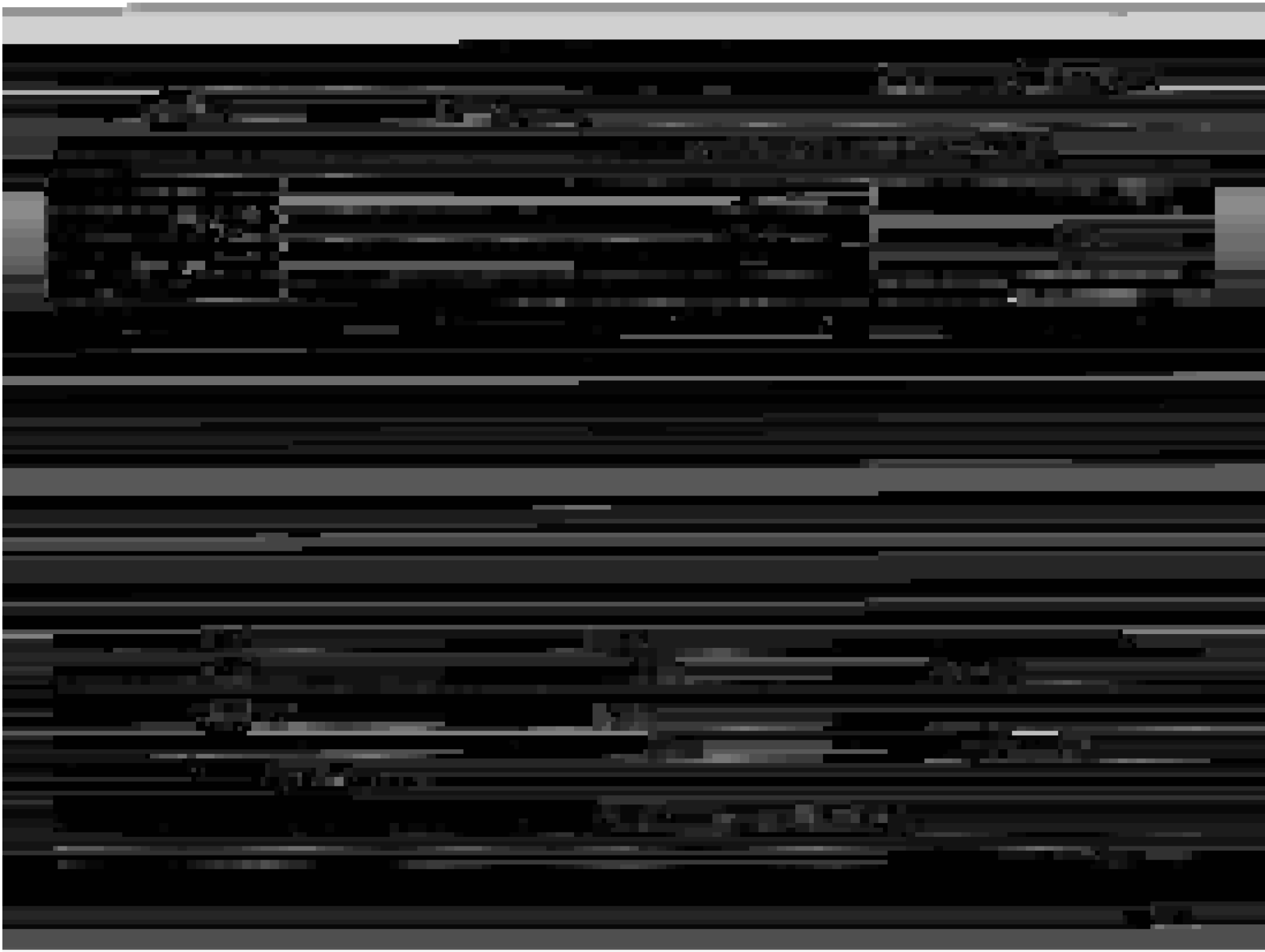


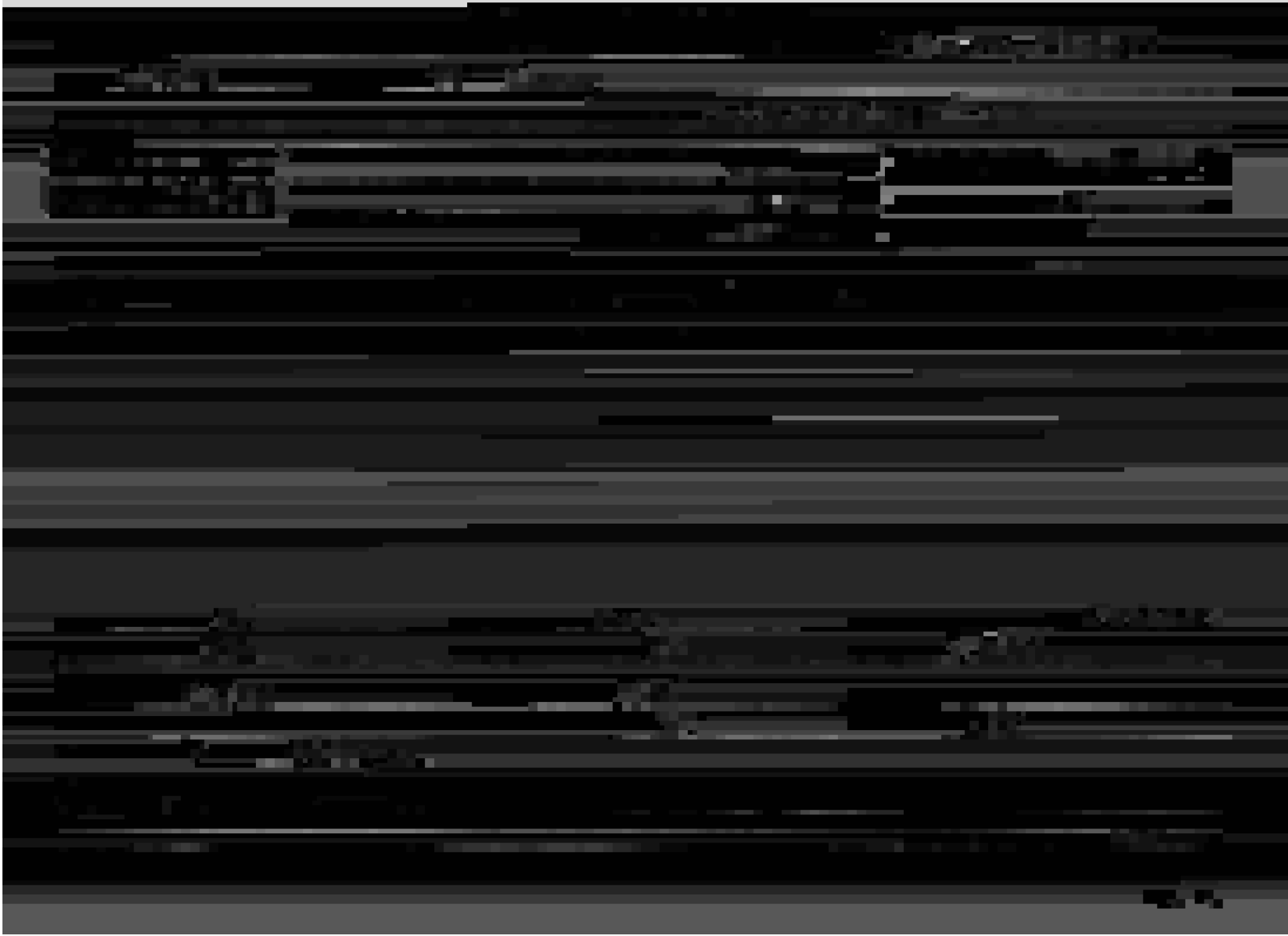


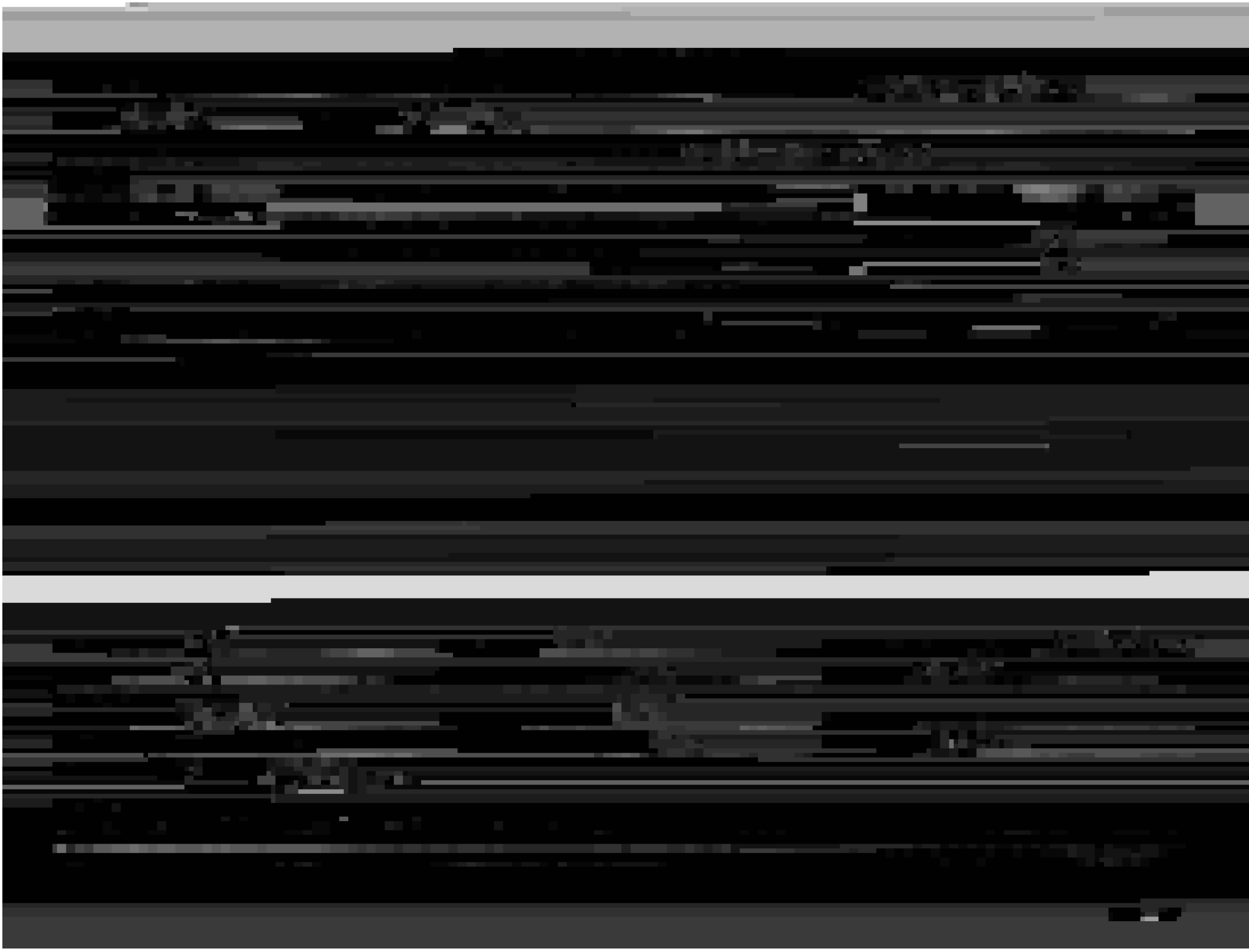


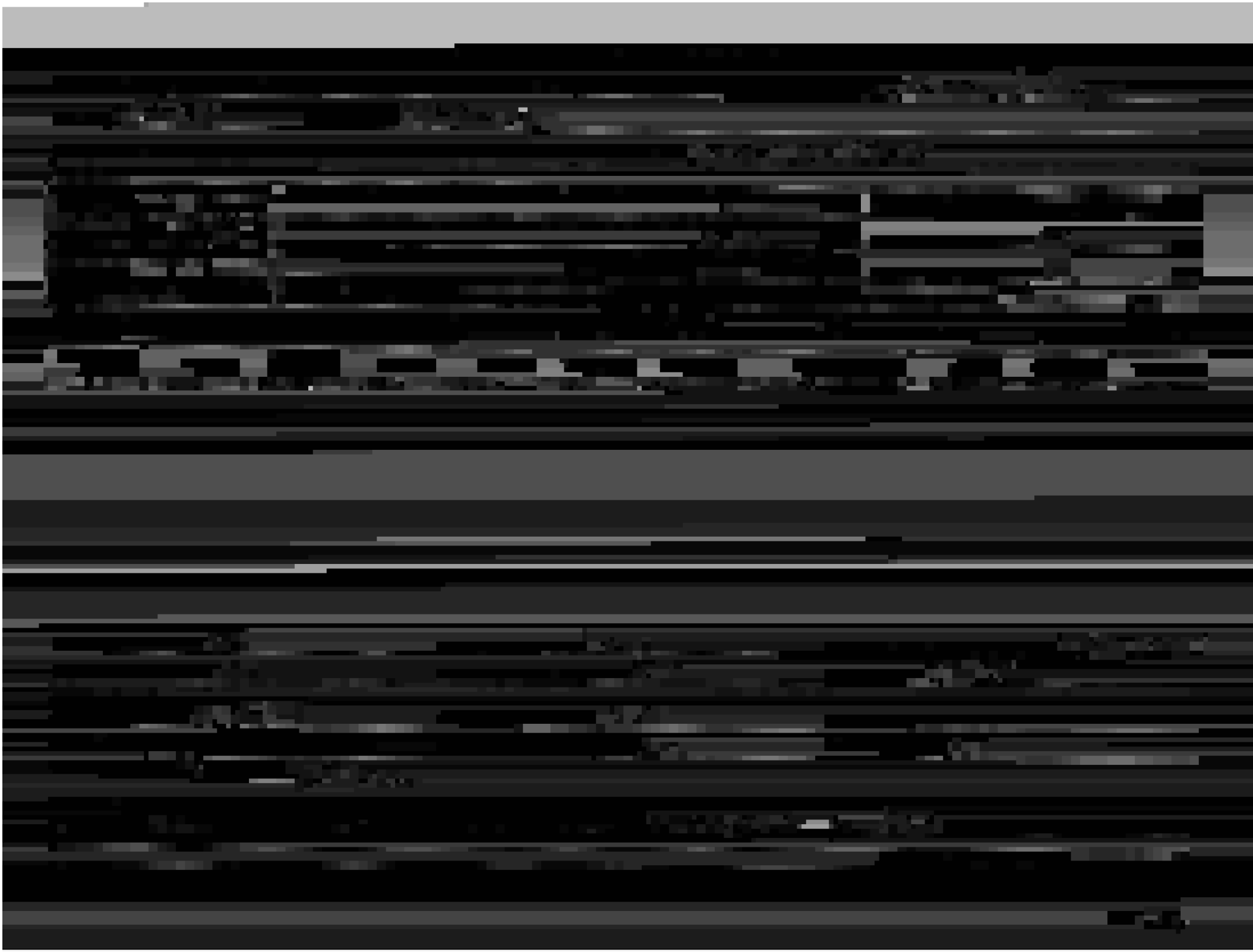


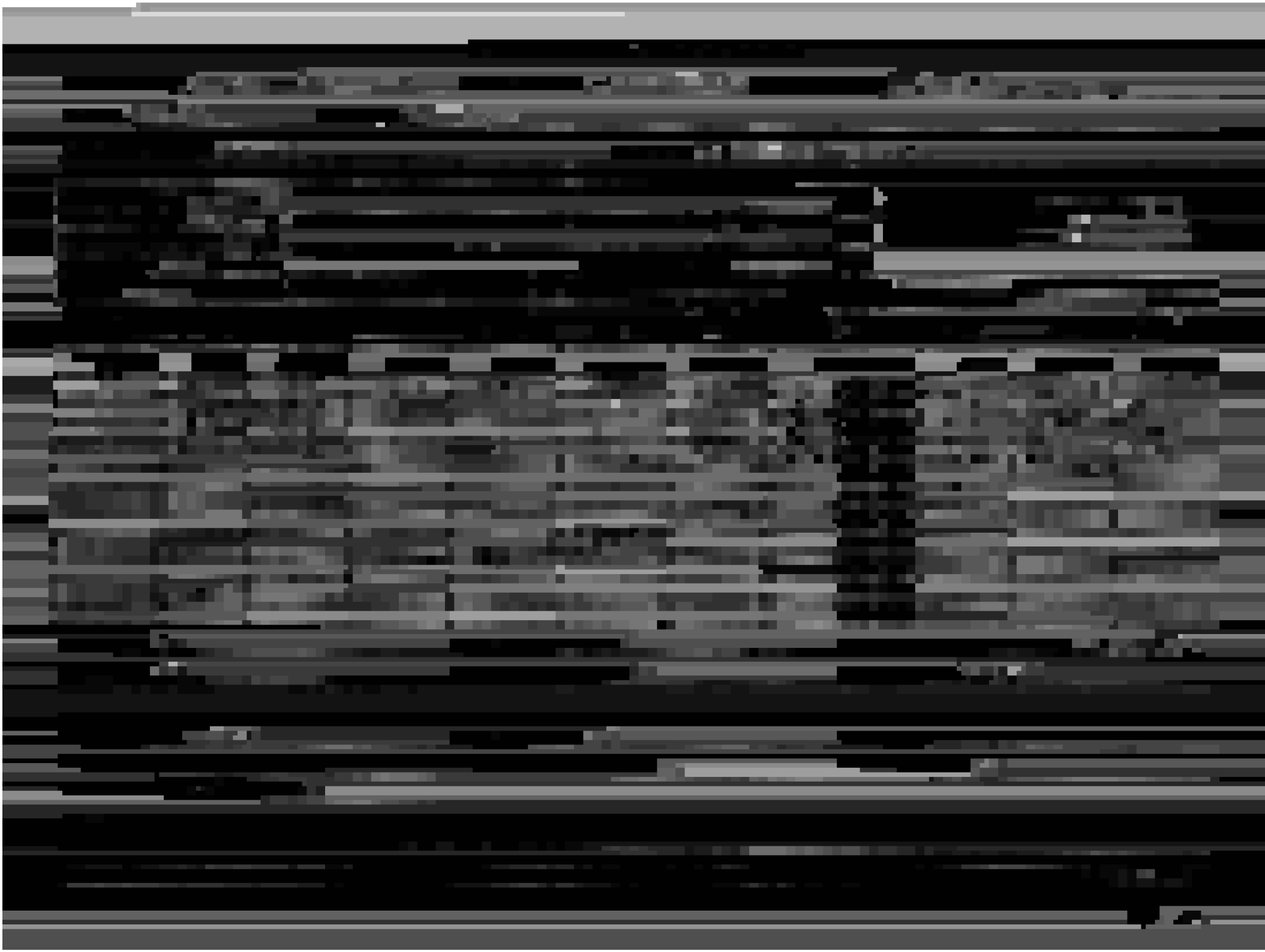


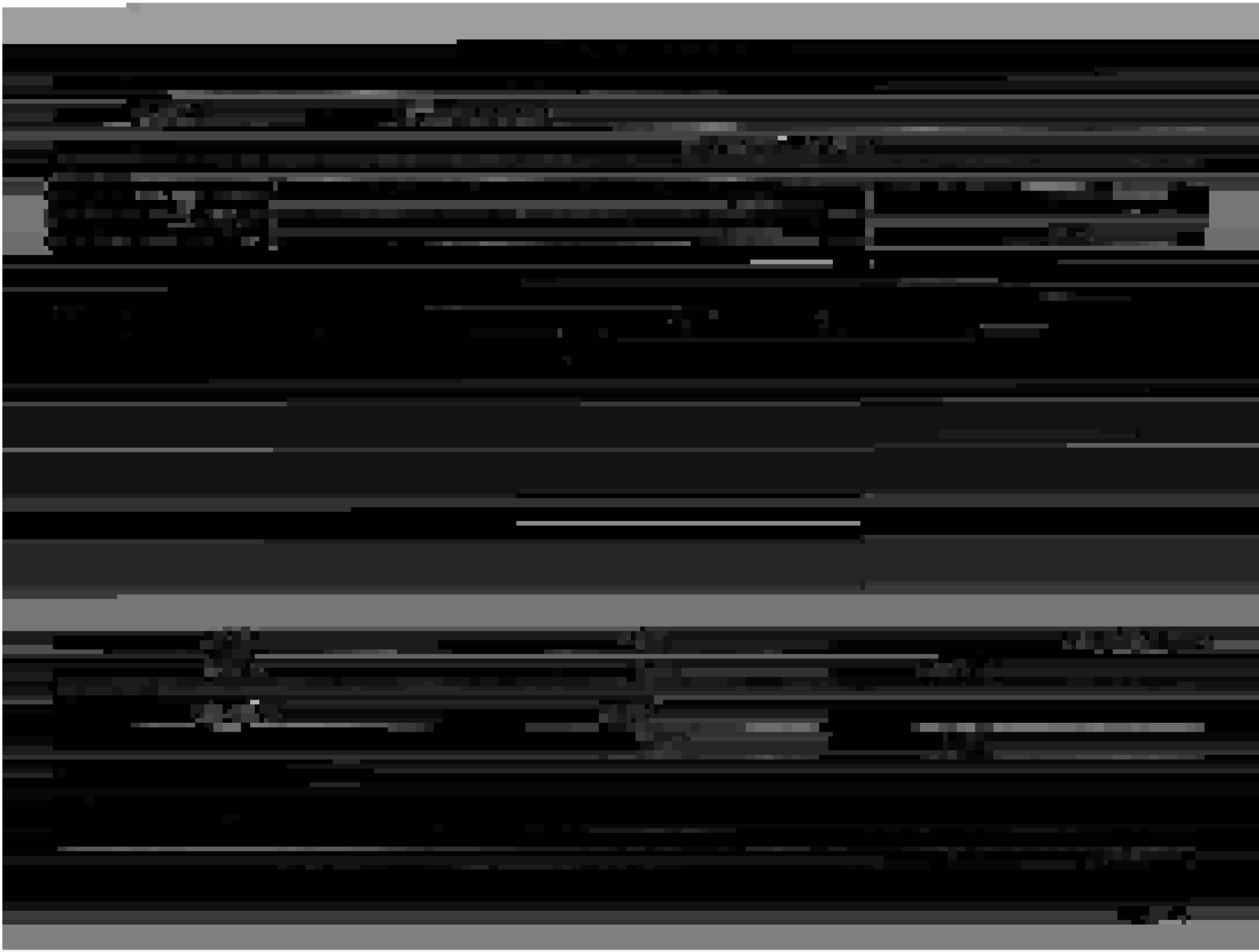


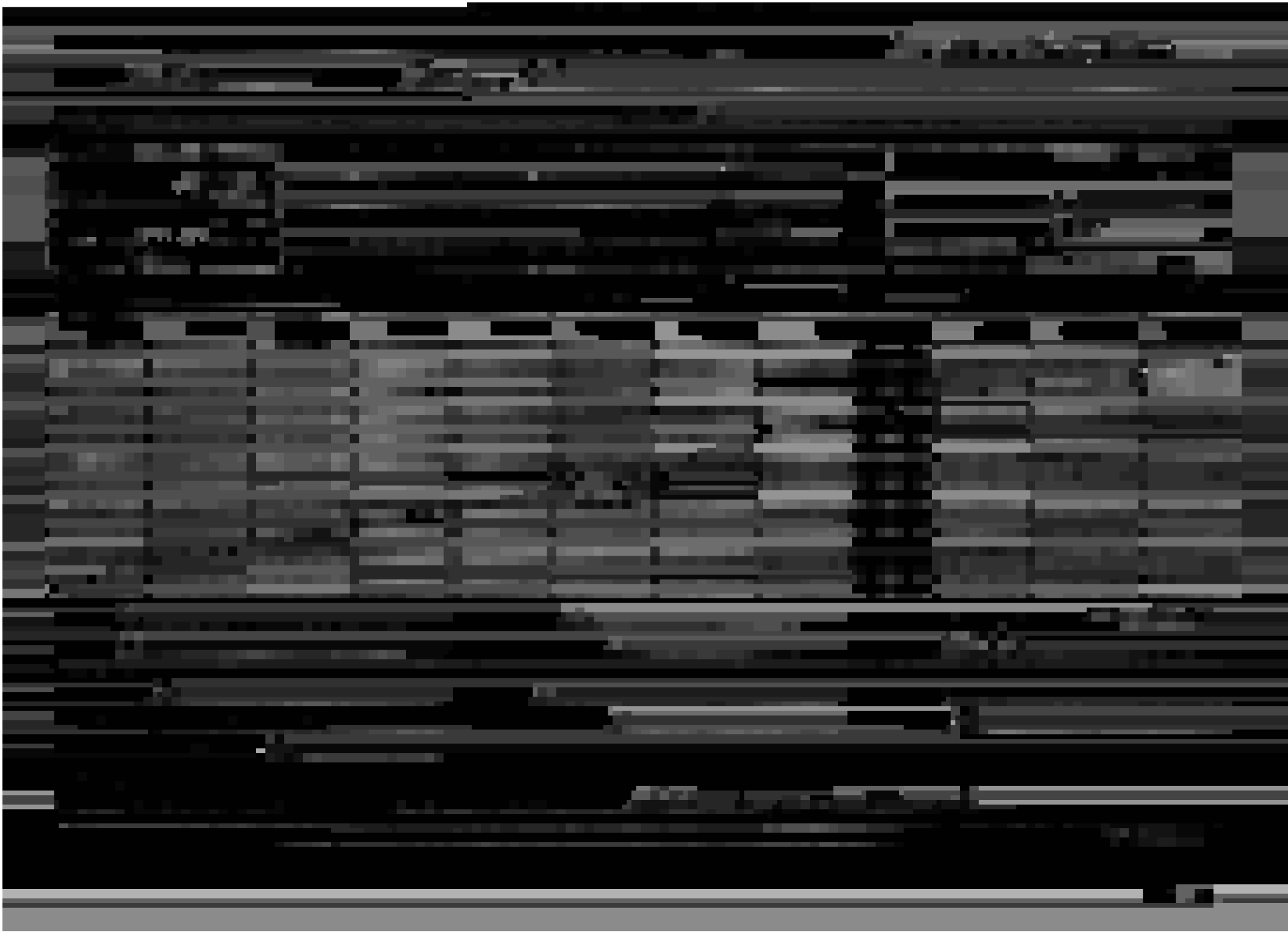






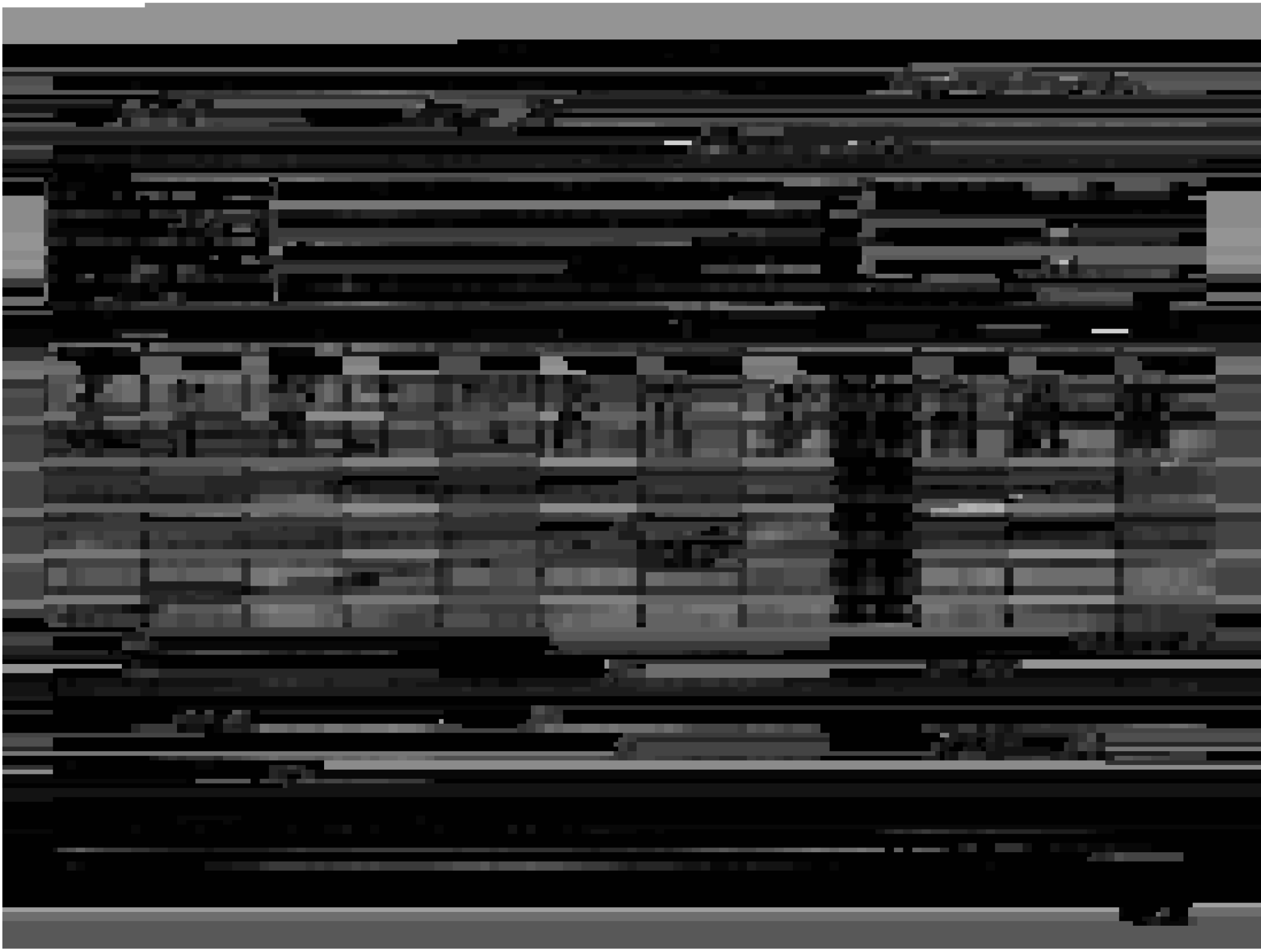


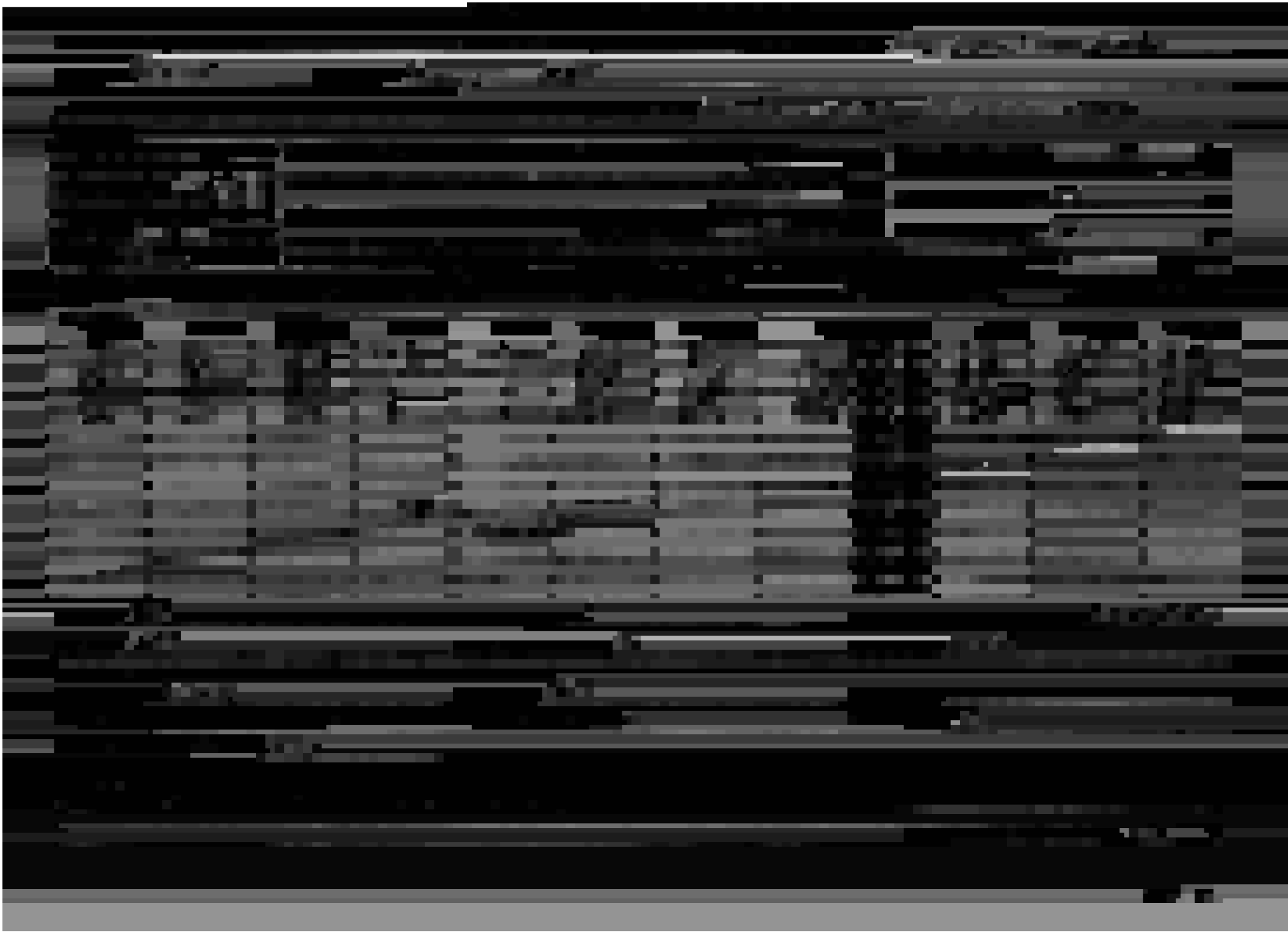




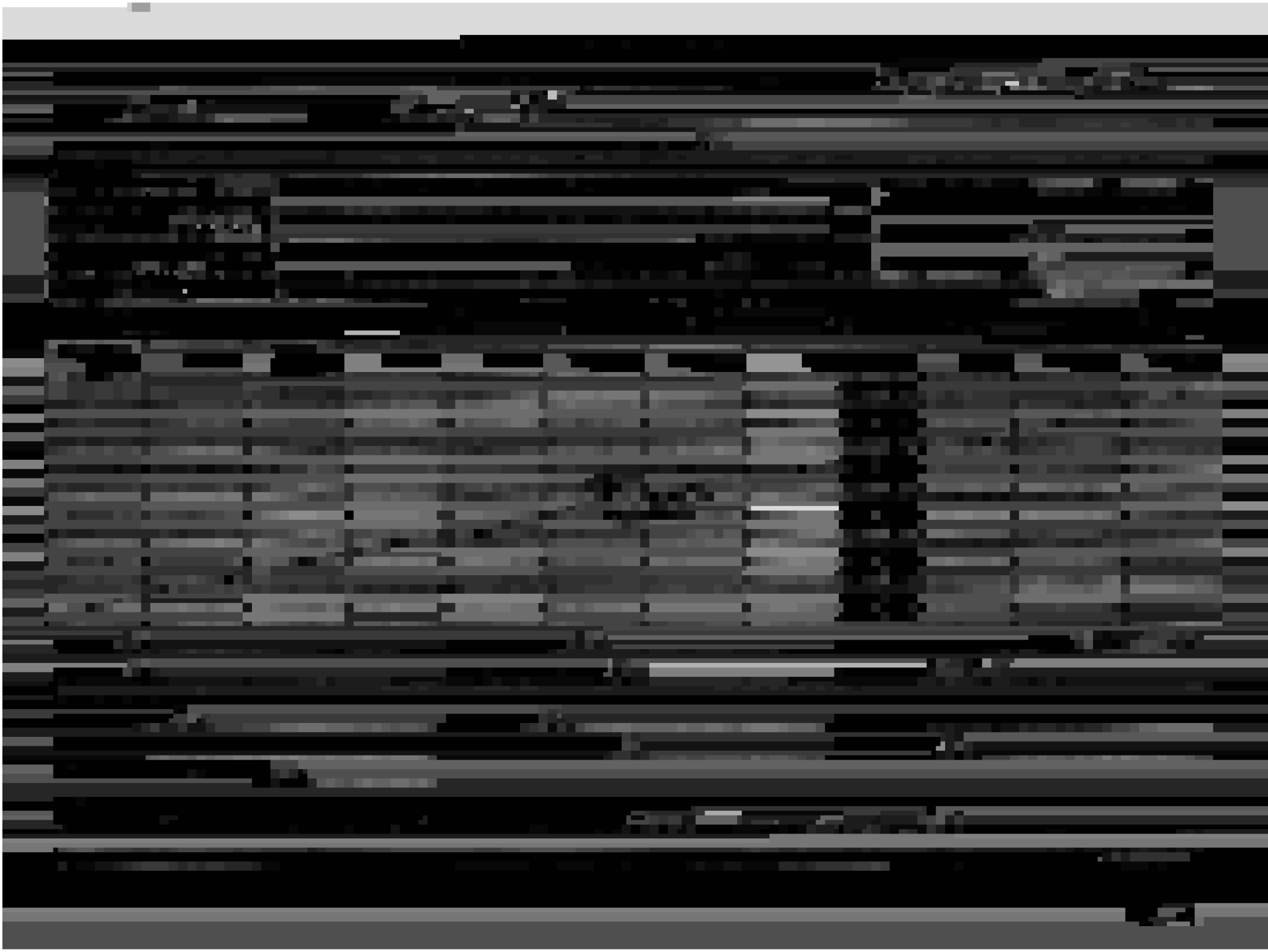


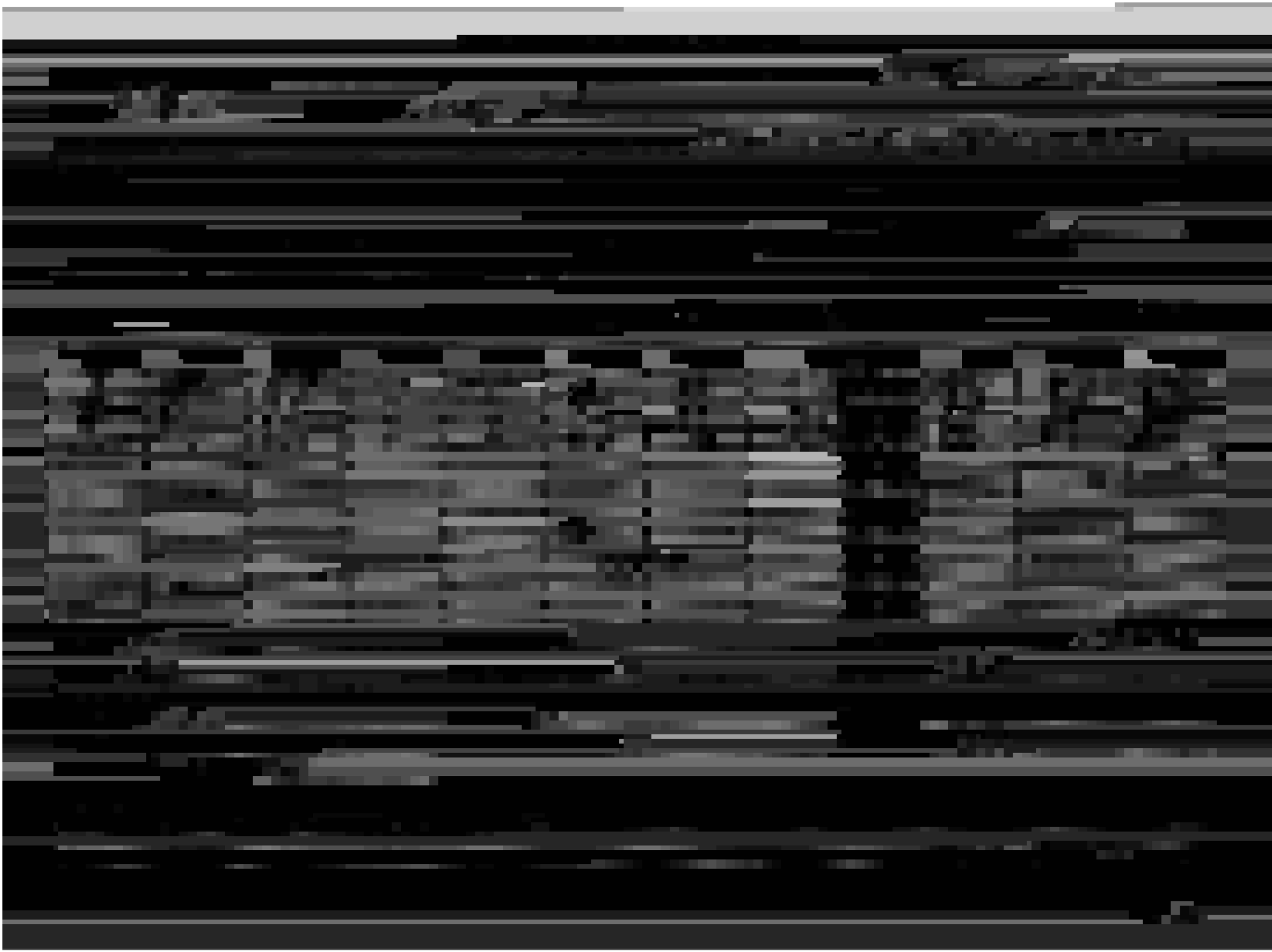


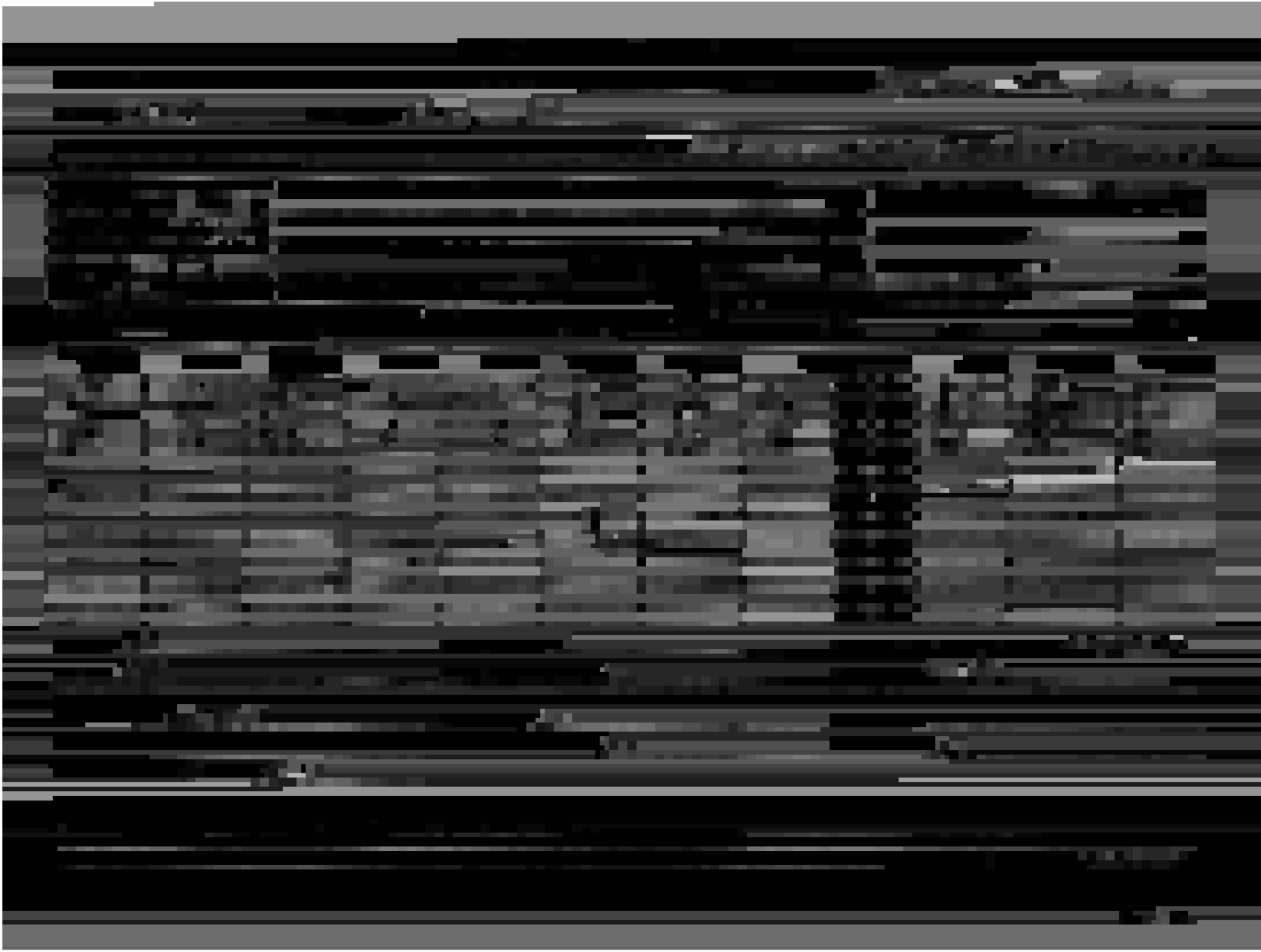


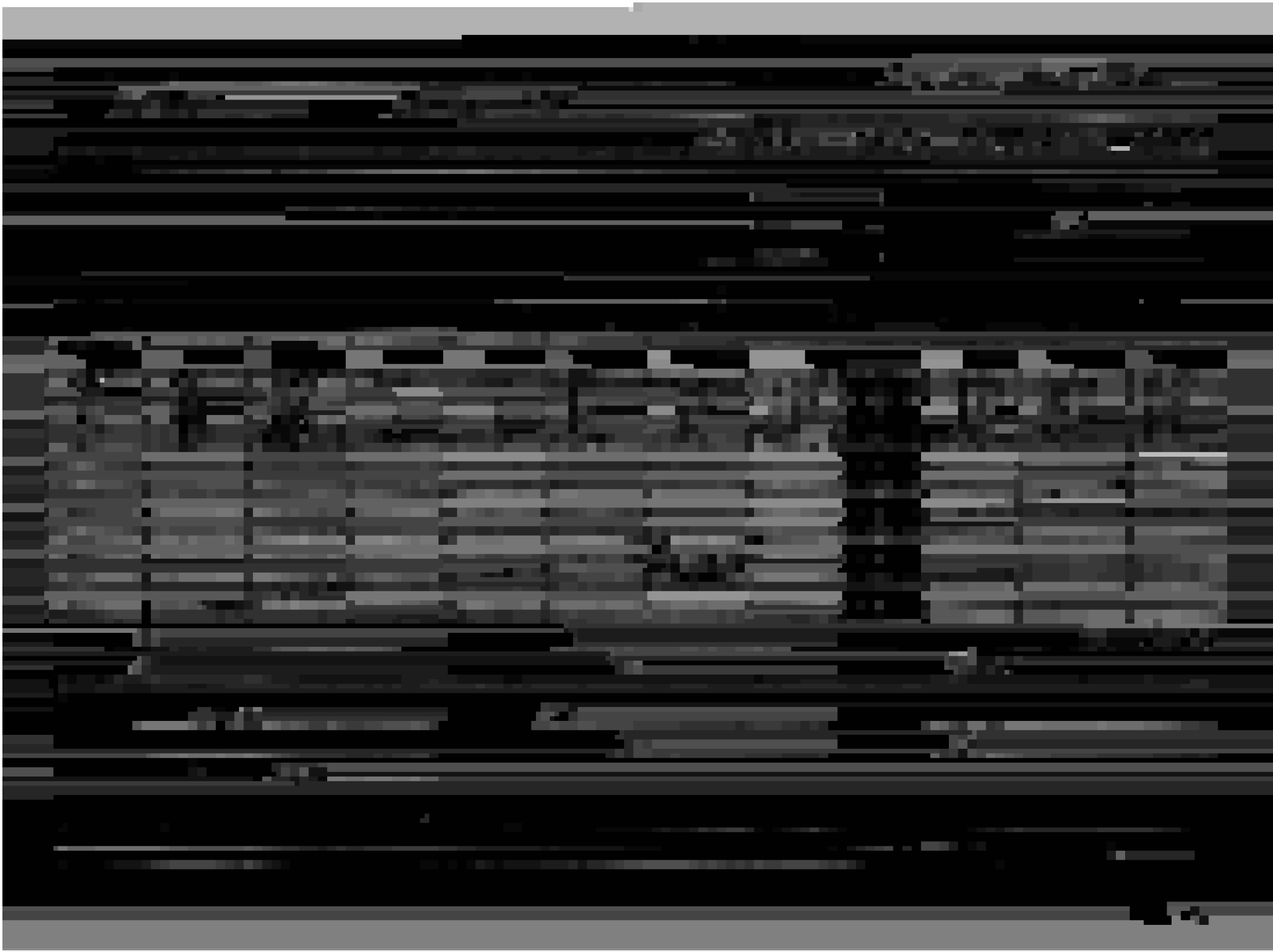


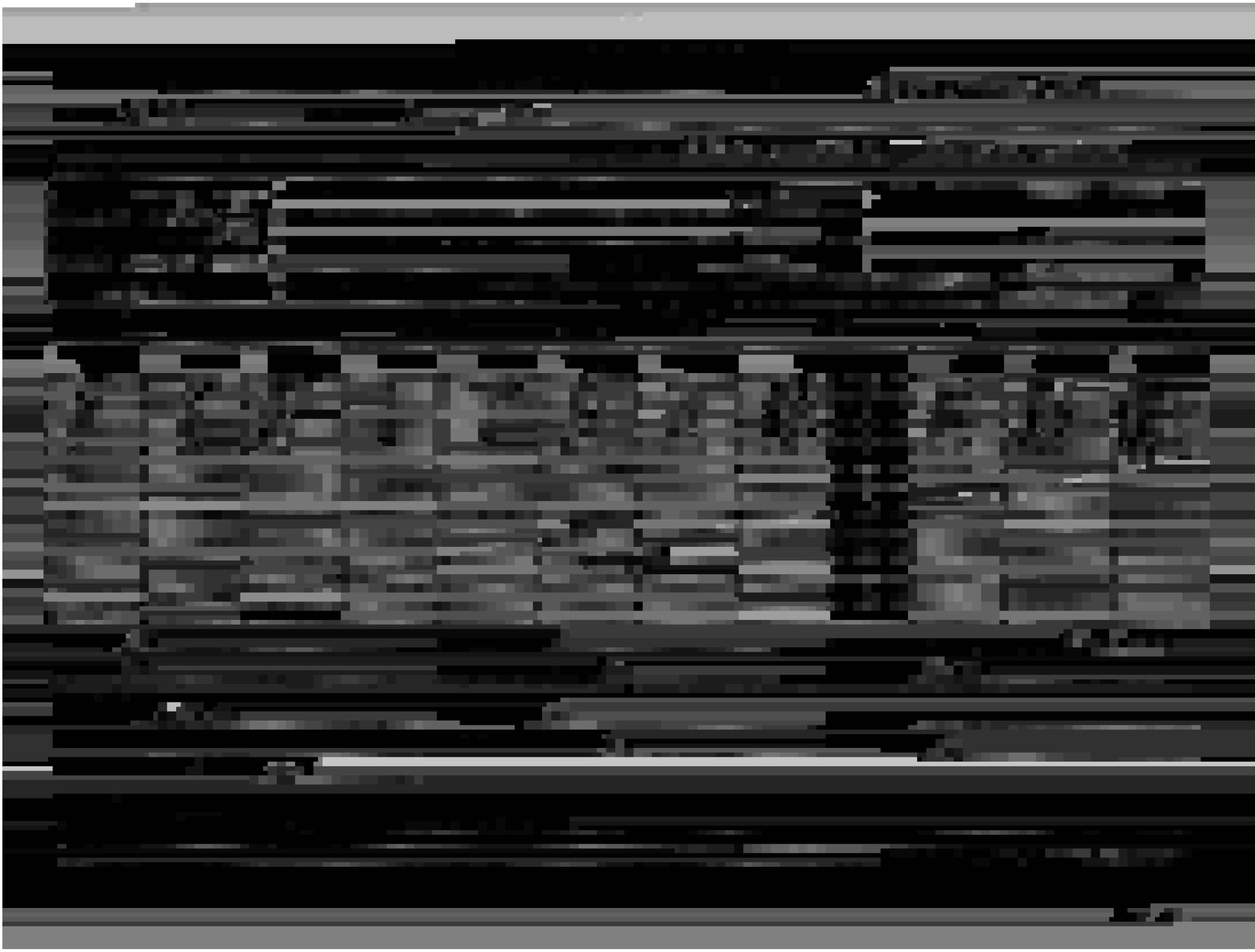


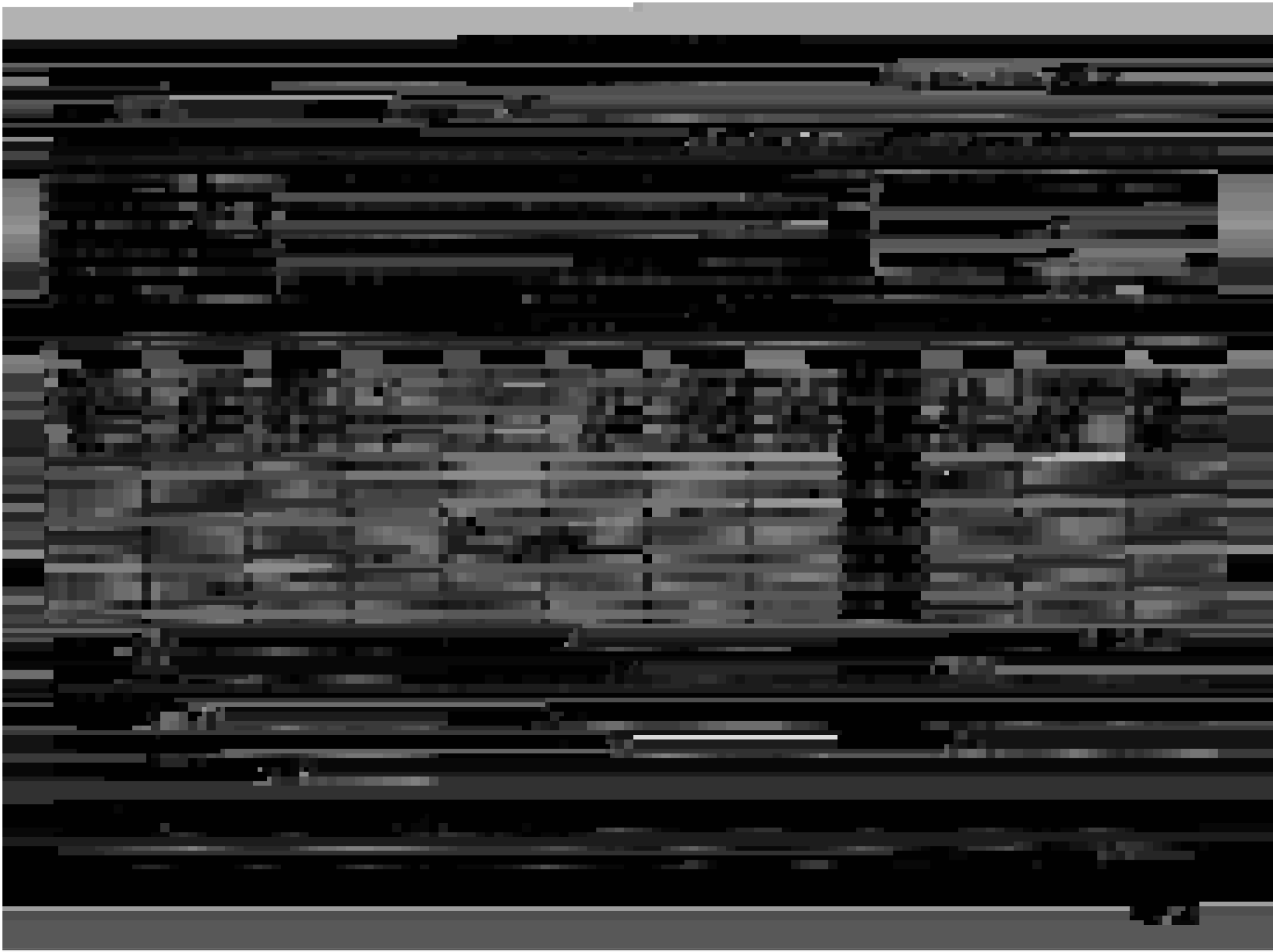


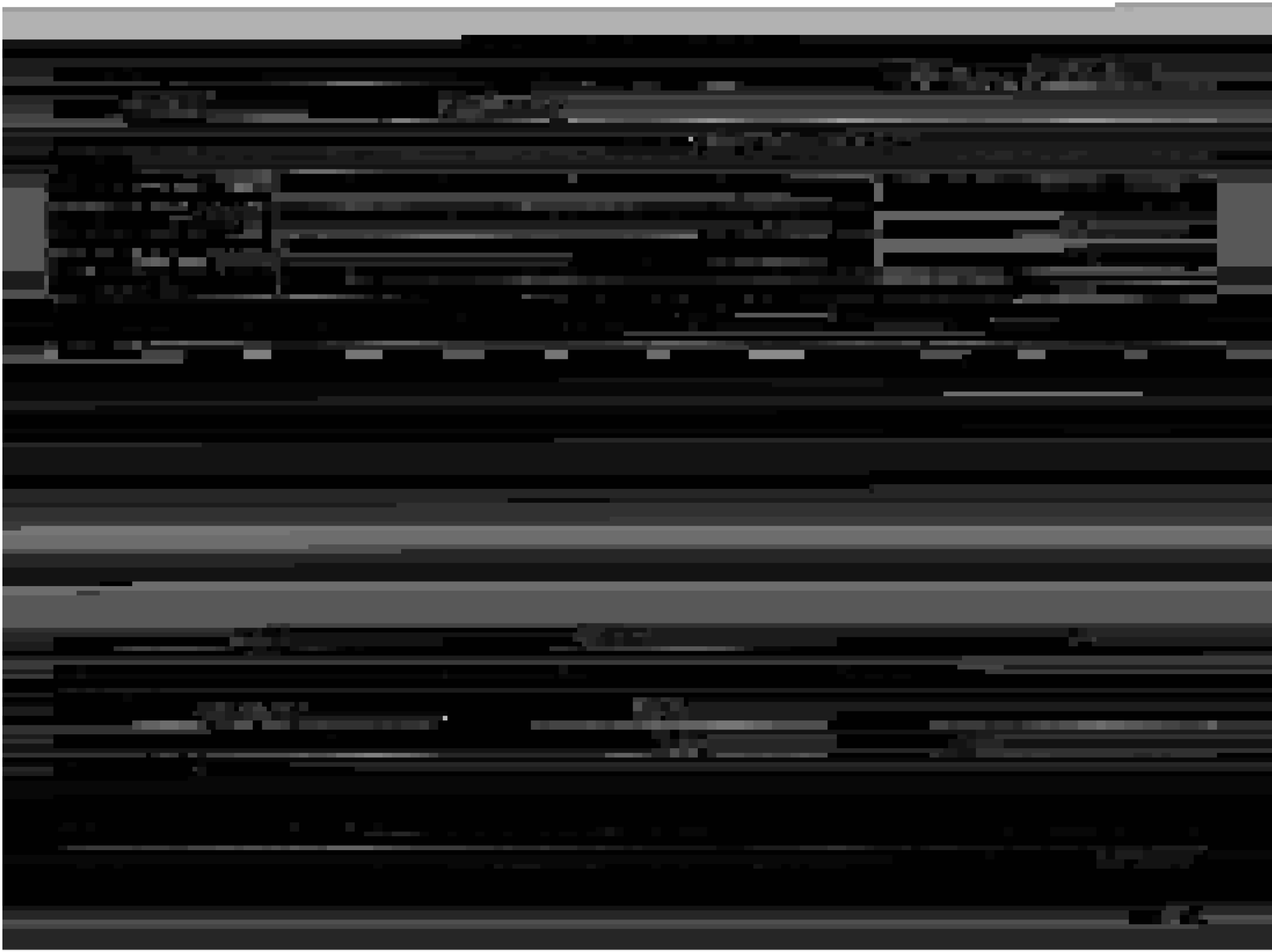


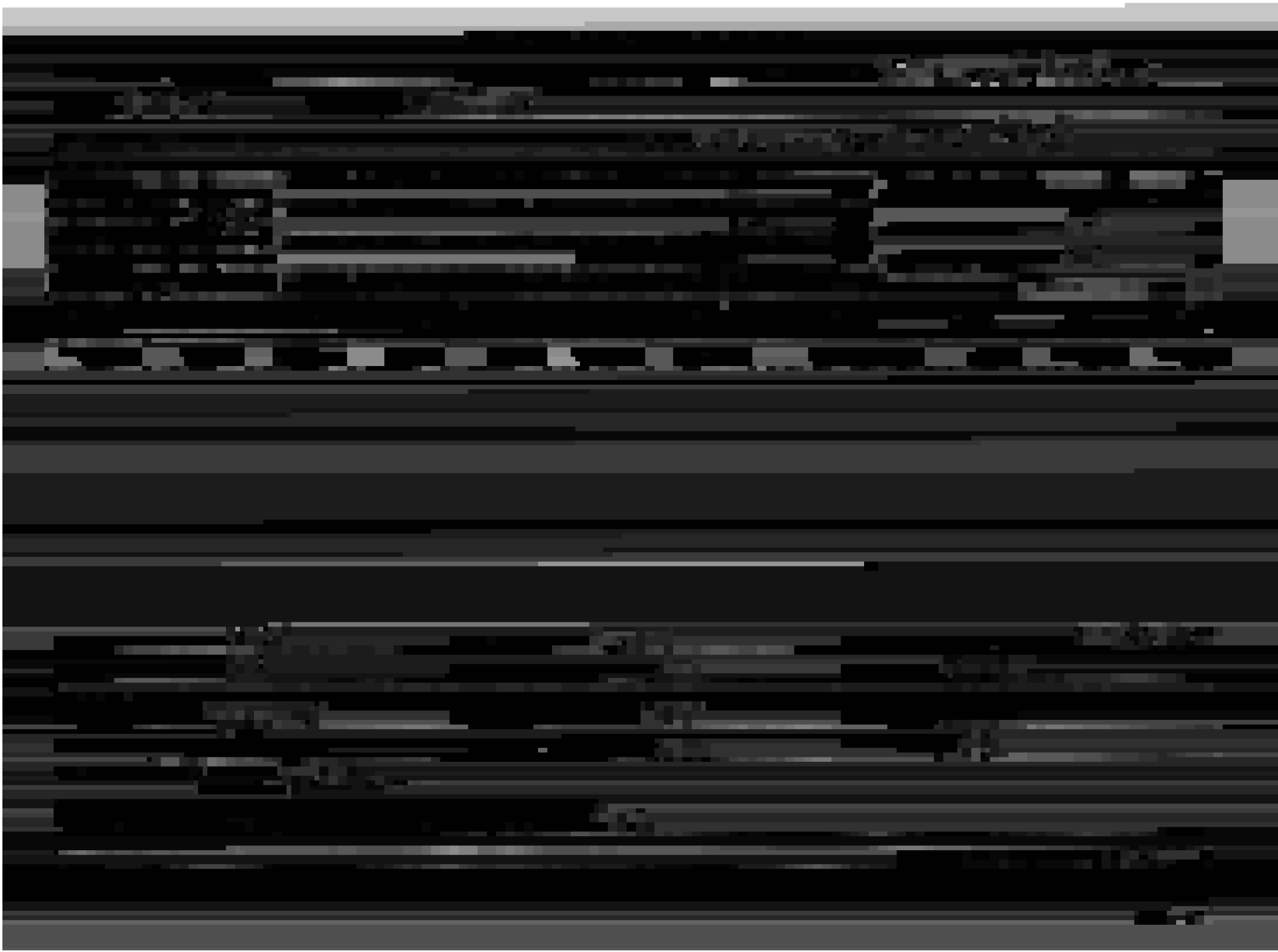




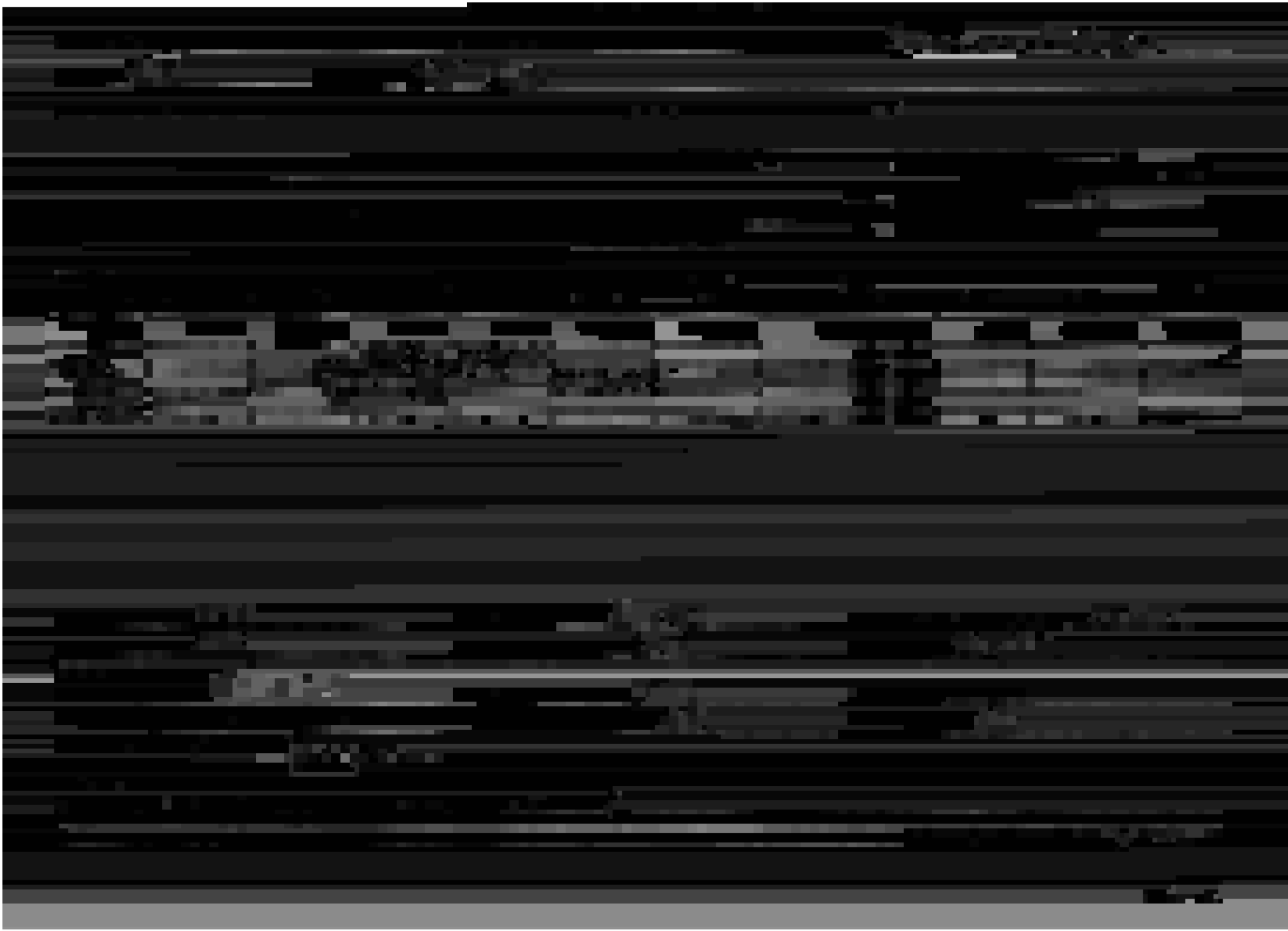


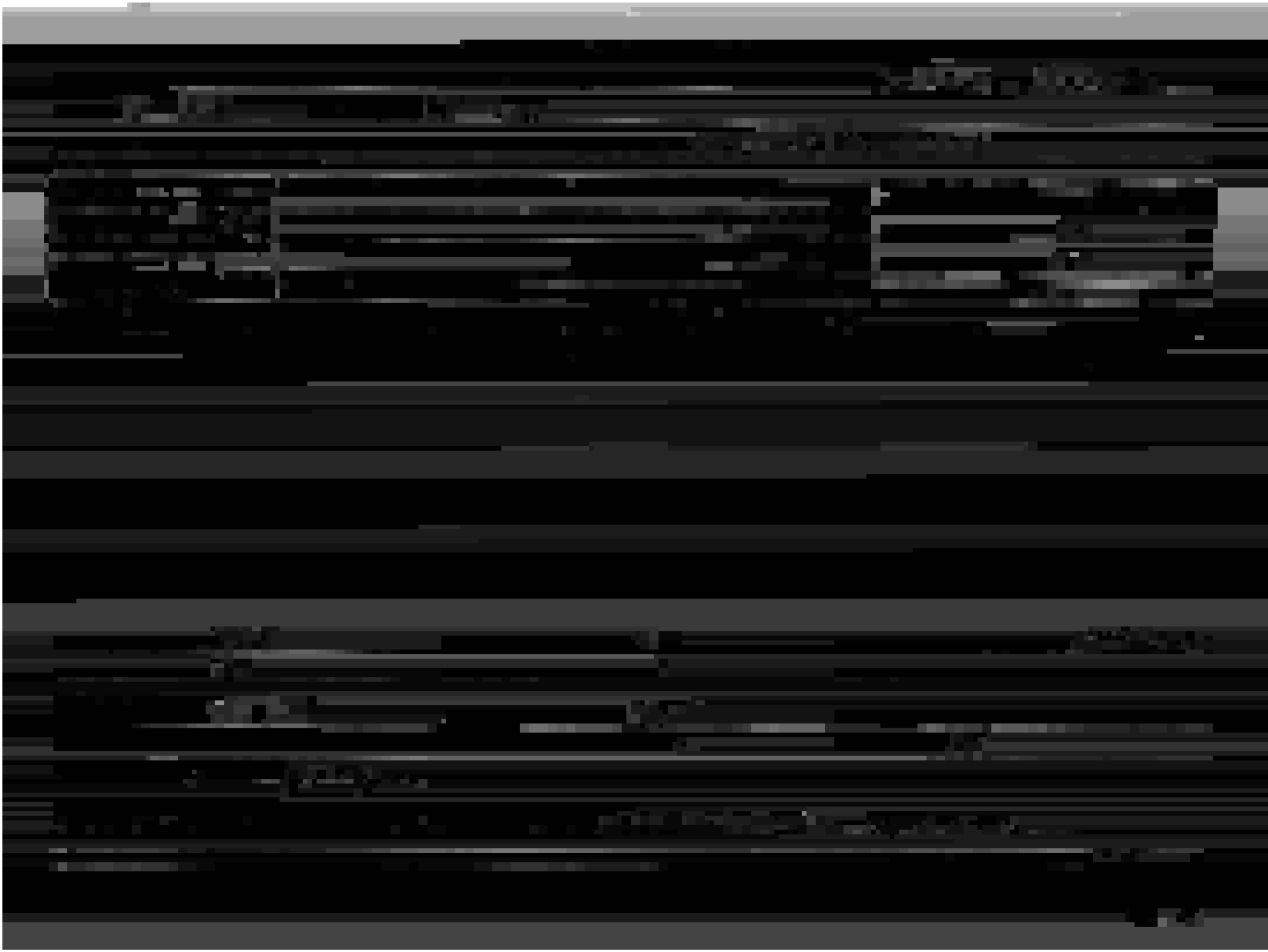


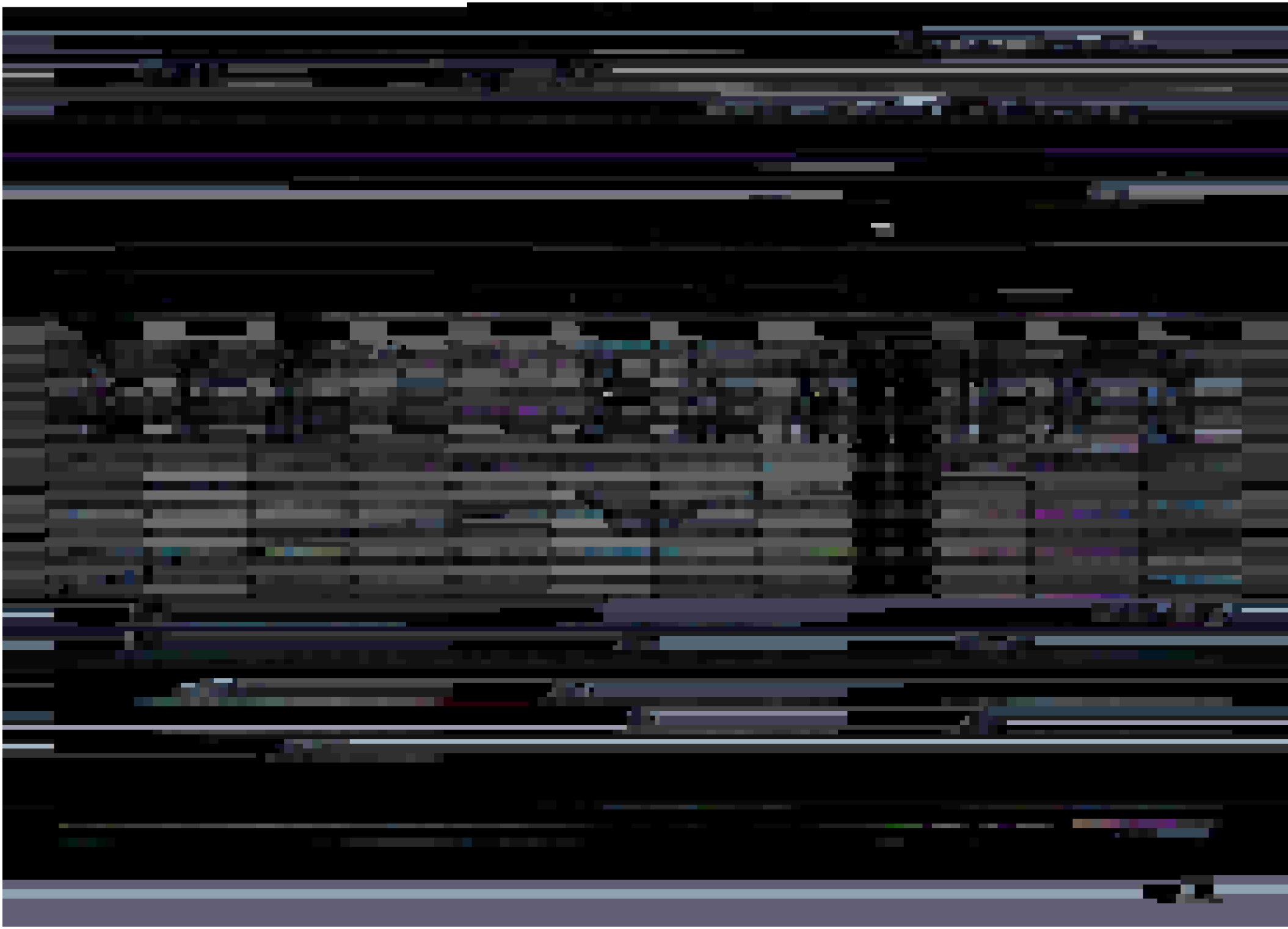












Appendix C

Data Review/Validation Forms and Laboratory Analytical Reports

Laboratory Report Reviewed: 400-273722-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/8/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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 400-705461/2-A	SVOCs	2-Chloronaphthalene	**162**	NC	44-122
LCS 400-705461/2-A	SVOCs	Benzyl Alcohol	**0.4**	NC	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.

Method 8270E (SVOCs)

Professional judgment was used to qualify, however not reject, data associated with benzyl alcohol below evaluation criteria; this has been identified as a poor-performing analytes under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW9-ROX-040425	SVOCs	Benzyl Alcohol	**UJ**

Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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 July 16, 2025, to add missing QC.
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.		X		Analytical data reported as non-detect and associated with ICV/CCV %D recoveries above evaluation

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	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				criteria, indicating a possible high bias, did not require qualification.

Method 8260D (VOCs)

The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low. Equipment blanks and trip blanks are quality control samples and do not require data qualification.

Method 8270E (SVOCs)

The initial calibration verification (ICV) for pyridine was outside evaluation criteria, biased low. The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low.

Benzyl alcohol in sample MW9-ROX-040425 was previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualification was required. Equipment blanks are quality control samples and do not require data qualification.

Method 8011 (VOCs)

The continuous calibration verification (CCV) for 1,2-dibromo-3-chloropropane was outside evaluation criteria, biased low. Trip blanks are quality control samples that do not require qualification.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW9-ROX-040425	VOCs	Chloromethane	**UJ**
MW9-ROX-040425	VOCs	Acrylonitrile	**UJ**
MW9-ROX-040425	VOCs	2,2-Dichloropropane	**UJ**
MW9-ROX-040425	VOCs	1,1,1-Trichloroethane	**UJ**
MW9-ROX-040425	VOCs	Carbon tetrachloride	**UJ**
MW9-ROX-040425	VOCs	1,2-Dichloropropane	**UJ**
MW9-ROX-040425	VOCs	trans-1,3-Dichloropropene	**UJ**
MW9-ROX-040425	VOCs	Tetrachloroethene	**UJ**
MW9-ROX-040425	VOCs	1-Chlorohexane	**UJ**
MW9-ROX-040425	SVOCs	2-Methylphenol	**UJ**

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW9-ROX-040425	SVOCs	Pyridine			**UJ**	
MW9-ROX-040425	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**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 4/22/2025 3:38:03 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-273722-1

Reviewed 7/16/2025
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
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-273722-1

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 4/5/2025 10:16 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 0.9°C.

Receipt Exceptions
COC has this sample marked that it was not sampled however containers for that sample was recieved.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706006 recovered above the upper control limit for Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706006 recovered outside acceptance criteria, low biased, for 1,1,1-Trichloroethane, 1,2-Dichloropropane, 1-Chlorohexane, 2,2-Dichloropropane, Acrylonitrile, Carbon tetrachloride, Chloromethane, Tetrachloroethene and trans-1,3-Dichloropropene. 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-040425-8260 (400-273722-1), MW9-ROX-040425-EB (400-273722-3) and MW9-ROX-040425 (400-273722-4). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound 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_QQQ: The continuing calibration verification (CCV) associated with batch 400-706013 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-butyl 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 following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-705461 and analytical batch 400-706013: Benzoic acid, Benzyl alcohol, Dibenz[a,h]acridine, Indene, Pyridine and Quinoline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-705461 and analytical batch 400-706013 recovered outside control limits for the following analytes: 2-Chloronaphthalene. 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 continuing calibration verification (CCV) associated with batch 400-706013 recovered outside acceptance criteria, low biased, for Benzyl alcohol. 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 continuing calibration verification (CCV) associated with batch 400-706018 recovered above the upper control limit for N-Nitrosodi-n-propylamine and 3 & 4 Methylphenol. 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 400-706018 recovered outside acceptance criteria, low biased, for 2-Methylphenol and Benzyl alcohol. 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 400-702953 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 initial calibration verification (ICV) analyzed in batch 400-702953 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 initial calibration verification (ICV) analyzed in batch 400-702879 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.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-704950 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-273722-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-273722-1	TB-ROX-040425-8260	Water	04/04/25 00:00	04/05/25 10:16
400-273722-2	TB-ROX-040425-8011	Water	04/04/25 00:00	04/05/25 10:16
400-273722-3	MW9-ROX-040425-EB	Water	04/04/25 08:35	04/05/25 10:16
400-273722-4	MW9-ROX-040425	Water	04/04/25 08:35	04/05/25 10:16

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: TB-ROX-040425-8260 — Lab Sample ID: 400-273722-1

No Detections.

Client Sample ID: TB-ROX-040425-8011 — Lab Sample ID: 400-273722-2

No Detections.

Client Sample ID: MW9-ROX-040425-EB — Lab Sample ID: 400-273722-3

No Detections.

Client Sample ID: MW9-ROX-040425 — Lab Sample ID: 400-273722-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: TB-ROX-040425-8260
Date Collected: 04/04/25 00:00
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-1
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			04/16/25 22:31	1
Acrolein	ND		20	3.3	ug/L			04/16/25 22:31	1
Acrylonitrile	ND		10	2.8	ug/L			04/16/25 22:31	1
Benzene	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Bromobenzene	ND		1.0	0.54	ug/L			04/16/25 22:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/16/25 22:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Bromoform	ND		5.0	0.25	ug/L			04/16/25 22:31	1
Bromomethane	ND		1.0	0.98	ug/L			04/16/25 22:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/16/25 22:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/16/25 22:31	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/16/25 22:31	1
Chloroethane	ND		1.0	0.76	ug/L			04/16/25 22:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 20:10	1
Chloroform	ND		1.0	0.90	ug/L			04/16/25 22:31	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/16/25 22:31	1
Chloromethane	ND		1.0	0.40	ug/L			04/16/25 22:31	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/16/25 22:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/16/25 22:31	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/16/25 22:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/16/25 22:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/16/25 22:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/16/25 22:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/16/25 22:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/16/25 22:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 22:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/16/25 22:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/16/25 22:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/16/25 22:31	1
2-Hexanone	ND		25	4.3	ug/L			04/16/25 22:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/16/25 22:31	1
Methylene bromide	ND		5.0	0.22	ug/L			04/16/25 22:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/16/25 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/16/25 22:31	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/16/25 22:31	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/16/25 22:31	1
Naphthalene	ND		5.0	3.0	ug/L			04/16/25 22:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/16/25 22:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/16/25 22:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/16/25 22:31	1
o-Xylene	ND		5.0	3.0	ug/L			04/16/25 22:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/16/25 22:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/16/25 22:31	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: TB-ROX-040425-8260
Date Collected: 04/04/25 00:00
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-1
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			04/16/25 22:31	1
Styrene	ND		1.0	1.0	ug/L			04/16/25 22:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/16/25 22:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/16/25 22:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/16/25 22:31	1
Toluene	ND		1.0	0.90	ug/L			04/16/25 22:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 22:31	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/16/25 22:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/16/25 22:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/16/25 22:31	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/16/25 22:31	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/16/25 22:31	1
Trichloroethene	ND		1.0	0.15	ug/L			04/16/25 22:31	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/16/25 22:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/16/25 22:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/16/25 22:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/16/25 22:31	1
Vinyl acetate	ND		25	0.93	ug/L			04/16/25 22:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/16/25 22:31	1
Xylenes, Total	ND		10	6.0	ug/L			04/16/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/16/25 22:31*	*1*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/17/25 20:10*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*04/16/25 22:31*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*04/17/25 20:10*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/16/25 22:31*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/17/25 20:10*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: TB-ROX-040425-8011
Date Collected: 04/04/25 00:00
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/08/25 08:01	04/08/25 13:48	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/08/25 08:01	04/08/25 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/08/25 08:01*	*04/08/25 13:48*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: MW9-ROX-040425-EB
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-3
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			04/16/25 22:53	1
Acrolein	ND		20	3.3	ug/L			04/16/25 22:53	1
Acrylonitrile	ND		10	2.8	ug/L			04/16/25 22:53	1
Benzene	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Bromobenzene	ND		1.0	0.54	ug/L			04/16/25 22:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/16/25 22:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Bromoform	ND		5.0	0.25	ug/L			04/16/25 22:53	1
Bromomethane	ND		1.0	0.98	ug/L			04/16/25 22:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/16/25 22:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/16/25 22:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/16/25 22:53	1
Chloroethane	ND		1.0	0.76	ug/L			04/16/25 22:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 20:36	1
Chloroform	ND		1.0	0.90	ug/L			04/16/25 22:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/16/25 22:53	1
Chloromethane	ND		1.0	0.40	ug/L			04/16/25 22:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/16/25 22:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/16/25 22:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/16/25 22:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/16/25 22:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/16/25 22:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/16/25 22:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/16/25 22:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/16/25 22:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 22:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/16/25 22:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/16/25 22:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/16/25 22:53	1
2-Hexanone	ND		25	4.3	ug/L			04/16/25 22:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/16/25 22:53	1
Methylene bromide	ND		5.0	0.22	ug/L			04/16/25 22:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/16/25 22:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/16/25 22:53	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/16/25 22:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/16/25 22:53	1
Naphthalene	ND		5.0	3.0	ug/L			04/16/25 22:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/16/25 22:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/16/25 22:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/16/25 22:53	1
o-Xylene	ND		5.0	3.0	ug/L			04/16/25 22:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/16/25 22:53	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/16/25 22:53	1

Client Sample ID: MW9-ROX-040425-EB
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-3
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			04/16/25 22:53	1
Styrene	ND		1.0	1.0	ug/L			04/16/25 22:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/16/25 22:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/16/25 22:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/16/25 22:53	1
Toluene	ND		1.0	0.90	ug/L			04/16/25 22:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 22:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/16/25 22:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/16/25 22:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/16/25 22:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/16/25 22:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/16/25 22:53	1
Trichloroethene	ND		1.0	0.15	ug/L			04/16/25 22:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/16/25 22:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/16/25 22:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/16/25 22:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/16/25 22:53	1
Vinyl acetate	ND		25	0.93	ug/L			04/16/25 22:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/16/25 22:53	1
Xylenes, Total	ND		10	6.0	ug/L			04/16/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/16/25 22:53*	*1*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/17/25 20:36*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*04/16/25 22:53*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*04/17/25 20:36*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*04/16/25 22:53*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/17/25 20:36*	*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		04/11/25 14:01	04/16/25 22:10	1
Aniline	ND		10	0.74	ug/L		04/11/25 14:01	04/16/25 22:10	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzenethiol	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 22:10	1
Anthracene	ND		0.20	0.073	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzoic acid	ND	*-	30	24	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzyl alcohol	ND	*-	10	1.9	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/11/25 14:01	04/16/25 22:10	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/11/25 14:01	04/16/25 22:10	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/11/25 14:01	04/16/25 22:10	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/11/25 14:01	04/16/25 22:10	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 22:10	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/11/25 14:01	04/16/25 22:10	1
Chrysene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:10	1

Client: AECOM
Job ID: 400-273722-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW9-ROX-040425-EB
Lab Sample ID: 400-273722-3
Date Collected: 04/04/25 08:35
Matrix: Water
Date Received: 04/05/25 10:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Chloroaniline	ND		10	0.28	ug/L		04/11/25 14:01	04/16/25 22:10	1
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/11/25 14:01	04/16/25 22:10	1
Fluorene	ND		0.20	0.087	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Chlorophenol	ND		10	0.22	ug/L		04/11/25 14:01	04/16/25 22:10	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:10	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/11/25 14:01	04/16/25 22:10	1
Dibenz[a,h]acridine	ND	*-	10	0.69	ug/L		04/11/25 14:01	04/16/25 22:10	1
Dibenzofuran	ND		10	0.15	ug/L		04/11/25 14:01	04/16/25 22:10	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/11/25 14:01	04/16/25 22:10	1
Phenanthrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/11/25 14:01	04/16/25 22:10	1
Pyrene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 22:10	1
Diethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 22:10	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/11/25 14:01	04/16/25 22:10	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 22:10	1
1,4-Dioxane	ND		10	0.070	ug/L		04/11/25 14:01	04/16/25 22:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/11/25 14:01	04/16/25 22:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/11/25 14:01	04/16/25 22:10	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 22:10	1
Hexachloroethane	ND		10	0.53	ug/L		04/11/25 14:01	04/16/25 22:10	1
Indene	ND	*-	10	0.44	ug/L		04/11/25 14:01	04/16/25 22:10	1
Isophorone	ND		10	0.80	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Methylphenol	ND		10	0.30	ug/L		04/11/25 14:01	04/16/25 22:10	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Nitroaniline	ND		10	1.4	ug/L		04/11/25 14:01	04/16/25 22:10	1
3-Nitroaniline	ND		10	0.95	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Nitroaniline	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 22:10	1
Nitrobenzene	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 22:10	1
2-Nitrophenol	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 22:10	1
4-Nitrophenol	ND		10	2.7	ug/L		04/11/25 14:01	04/16/25 22:10	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/11/25 14:01	04/16/25 22:10	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/11/25 14:01	04/16/25 22:10	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/11/25 14:01	04/16/25 22:10	1
Pentachlorophenol	ND		10	0.41	ug/L		04/11/25 14:01	04/16/25 22:10	1
Phenol	ND		10	0.27	ug/L		04/11/25 14:01	04/16/25 22:10	1
Pyridine	ND	*-	10	0.64	ug/L		04/11/25 14:01	04/16/25 22:10	1
Quinoline	ND	*-	10	0.50	ug/L		04/11/25 14:01	04/16/25 22:10	1

Client Sample ID: MW9-ROX-040425-EB
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/11/25 14:01	04/16/25 22:10	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/11/25 14:01	04/16/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
2-Fluorophenol	*86*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
Nitrobenzene-d5	*80*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
Phenol-d5	*64*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:10*	*1*
2,4,6-Tribromophenol	*50*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:10*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/08/25 08:01	04/08/25 14:09	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/08/25 08:01	04/08/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*04/08/25 08:01*	*04/08/25 14:09*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Client Sample ID: MW9-ROX-040425
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-4
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			04/16/25 23:15	1
Acrolein	ND		20	3.3	ug/L			04/16/25 23:15	1
Acrylonitrile	ND	UJ	10	2.8	ug/L			04/16/25 23:15	1
Benzene	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Bromobenzene	ND		1.0	0.54	ug/L			04/16/25 23:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/16/25 23:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Bromoform	ND		5.0	0.25	ug/L			04/16/25 23:15	1
Bromomethane	ND		1.0	0.98	ug/L			04/16/25 23:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/16/25 23:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Carbon tetrachloride	ND	UJ	1.0	0.19	ug/L			04/16/25 23:15	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/16/25 23:15	1
Chloroethane	ND		1.0	0.76	ug/L			04/16/25 23:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 21:03	1
Chloroform	ND		1.0	0.90	ug/L			04/16/25 23:15	1
1-Chlorohexane	ND	UJ	1.0	0.32	ug/L			04/16/25 23:15	1
Chloromethane	ND	UJ	1.0	0.40	ug/L			04/16/25 23:15	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/16/25 23:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/16/25 23:15	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/16/25 23:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/16/25 23:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/16/25 23:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/16/25 23:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/16/25 23:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/16/25 23:15	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/16/25 23:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 23:15	1
1,2-Dichloropropane	ND	UJ	1.0	0.50	ug/L			04/16/25 23:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 23:15	1
2,2-Dichloropropane	ND	UJ	1.0	0.50	ug/L			04/16/25 23:15	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/16/25 23:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/16/25 23:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/16/25 23:15	1
2-Hexanone	ND		25	4.3	ug/L			04/16/25 23:15	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/16/25 23:15	1
Methylene bromide	ND		5.0	0.22	ug/L			04/16/25 23:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/16/25 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/16/25 23:15	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/16/25 23:15	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/16/25 23:15	1
Naphthalene	ND		5.0	3.0	ug/L			04/16/25 23:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/16/25 23:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/16/25 23:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/16/25 23:15	1
o-Xylene	ND		5.0	3.0	ug/L			04/16/25 23:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/16/25 23:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/16/25 23:15	1

Client Sample ID: MW9-ROX-040425
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-4
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			04/16/25 23:15	1
Styrene	ND		1.0	1.0	ug/L			04/16/25 23:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/16/25 23:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/16/25 23:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Tetrachloroethene	ND	UJ	1.0	0.33	ug/L			04/16/25 23:15	1
Toluene	ND		1.0	0.90	ug/L			04/16/25 23:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 23:15	1
trans-1,3-Dichloropropene	ND	UJ	5.0	0.20	ug/L			04/16/25 23:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/16/25 23:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/16/25 23:15	1
1,1,1-Trichloroethane	ND	UJ	1.0	0.18	ug/L			04/16/25 23:15	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/16/25 23:15	1
Trichloroethene	ND		1.0	0.15	ug/L			04/16/25 23:15	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/16/25 23:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/16/25 23:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/16/25 23:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/16/25 23:15	1
Vinyl acetate	ND		25	0.93	ug/L			04/16/25 23:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/16/25 23:15	1
Xylenes, Total	ND		10	6.0	ug/L			04/16/25 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/16/25 23:15*	*1*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/17/25 21:03*	*1*
Dibromofluoromethane	*103*		*79 - 130*		*04/16/25 23:15*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*04/17/25 21:03*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*04/16/25 23:15*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/17/25 21:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		04/11/25 14:01	04/16/25 22:40	1
Aniline	ND		9.9	0.73	ug/L		04/11/25 14:01	04/16/25 22:40	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzenethiol	ND		9.9	0.59	ug/L		04/11/25 14:01	04/16/25 22:40	1
Anthracene	ND		0.20	0.072	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzoic acid	ND	*-	30	23	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzyl alcohol	ND	*- UJ	9.9	1.8	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 22:40	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/11/25 14:01	04/16/25 22:40	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/11/25 14:01	04/16/25 22:40	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/11/25 14:01	04/16/25 22:40	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:40	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/11/25 14:01	04/16/25 22:40	1
Chrysene	ND		0.20	0.038	ug/L		04/11/25 14:01	04/16/25 22:40	1

Client Sample ID: MW9-ROX-040425
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/11/25 14:01	04/16/25 22:40	1
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		04/11/25 14:01	04/16/25 22:40	1
Fluorene	ND		0.20	0.086	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/11/25 14:01	04/16/25 22:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:40	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/11/25 14:01	04/16/25 22:40	1
Dibenz[a,h]acridine	ND	*-	9.9	0.68	ug/L		04/11/25 14:01	04/16/25 22:40	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/11/25 14:01	04/16/25 22:40	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/11/25 14:01	04/16/25 22:40	1
Phenanthrene	ND		0.20	0.043	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/11/25 14:01	04/16/25 22:40	1
Pyrene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:40	1
Diethyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/11/25 14:01	04/16/25 22:40	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/11/25 14:01	04/16/25 22:40	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:40	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/11/25 14:01	04/16/25 22:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/11/25 14:01	04/16/25 22:40	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/11/25 14:01	04/16/25 22:40	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 22:40	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/11/25 14:01	04/16/25 22:40	1
Indene	ND	*-	9.9	0.43	ug/L		04/11/25 14:01	04/16/25 22:40	1
Isophorone	ND		9.9	0.79	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/11/25 14:01	04/16/25 22:40	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/11/25 14:01	04/16/25 22:40	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/11/25 14:01	04/16/25 22:40	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/11/25 14:01	04/16/25 22:40	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/11/25 14:01	04/16/25 22:40	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/11/25 14:01	04/16/25 22:40	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/11/25 14:01	04/16/25 22:40	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/11/25 14:01	04/16/25 22:40	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/11/25 14:01	04/16/25 22:40	1
Pentachlorophenol	ND		9.9	0.40	ug/L		04/11/25 14:01	04/16/25 22:40	1
Phenol	ND		9.9	0.27	ug/L		04/11/25 14:01	04/16/25 22:40	1
Pyridine	ND	*- UJ	9.9	0.63	ug/L		04/11/25 14:01	04/16/25 22:40	1
Quinoline	ND	*-	9.9	0.49	ug/L		04/11/25 14:01	04/16/25 22:40	1

Client Sample ID: MW9-ROX-040425
Date Collected: 04/04/25 08:35
Date Received: 04/05/25 10:16

Lab Sample ID: 400-273722-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/11/25 14:01	04/16/25 22:40	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/11/25 14:01	04/16/25 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
2-Fluorophenol	*86*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
Nitrobenzene-d5	*81*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
Phenol-d5	*62*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:40*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:40*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/08/25 08:01	04/08/25 14:31	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/08/25 08:01	04/08/25 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*51 - 149*	*04/08/25 08:01*	*04/08/25 14:31*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-273722-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-273722-1

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)
400-273722-1	TB-ROX-040425-8260	92	104	103
400-273722-1	TB-ROX-040425-8260	91	110	93
400-273722-3	MW9-ROX-040425-EB	92	103	104
400-273722-3	MW9-ROX-040425-EB	90	110	94
400-273722-4	MW9-ROX-040425	92	103	104
400-273722-4	MW9-ROX-040425	91	113	94
LCS 400-706006/1002	Lab Control Sample	90	102	103
LCS 400-706092/1002	Lab Control Sample	85	108	93
MB 400-706006/5	Method Blank	92	104	102
MB 400-706092/4	Method Blank	90	109	93

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-273722-3	MW9-ROX-040425-EB	77	77	80	80	75	75	86	64
400-273722-4	MW9-ROX-040425	80	80	81	81	73	73	86	62
LCS 400-705461/2-A	Lab Control Sample	66	66	79	79	70	70	90	49
LCS 400-705461/3-A	Lab Control Sample	76	76	92	92	84	84	107	46
LCSD 400-705461/4-A	Lab Control Sample Dup	79	79	89	89	89	89	107	41
MB 400-705461/1-A	Method Blank	79	79	87	87	87	87	99	50

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-273722-3	MW9-ROX-040425-EB	50
400-273722-4	MW9-ROX-040425	71
LCS 400-705461/2-A	Lab Control Sample	90
LCS 400-705461/3-A	Lab Control Sample	99
LCSD 400-705461/4-A	Lab Control Sample Dup	95
MB 400-705461/1-A	Method Blank	86

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM
Job ID: 400-273722-1
Project/Site: ROXANA QUARTERLY GW

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-273722-2	TB-ROX-040425-8011	71
400-273722-3	MW9-ROX-040425-EB	74
400-273722-4	MW9-ROX-040425	75
LCS 400-704931/2-A	Lab Control Sample	83
LCSD 400-704931/3-A	Lab Control Sample Dup	84
MB 400-704931/1-A	Method Blank	117

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273722-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-273722-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040425-8260
Lab Sample ID: 400-273722-1
Date Collected: 04/04/25 00:00
Matrix: Water
Date Received: 04/05/25 10:16

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	706092	04/17/25 20:10	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	706006	04/16/25 22:31	RSG	EET PEN

Client Sample ID: TB-ROX-040425-8011
Lab Sample ID: 400-273722-2
Date Collected: 04/04/25 00:00
Matrix: Water
Date Received: 04/05/25 10:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.3 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 13:48	KR	EET PEN

Client Sample ID: MW9-ROX-040425-EB
Lab Sample ID: 400-273722-3
Date Collected: 04/04/25 08:35
Matrix: Water
Date Received: 04/05/25 10:16

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	706092	04/17/25 20:36	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	706006	04/16/25 22:53	RSG	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706017	04/16/25 22:10	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706018	04/16/25 22:10	LWL	EET PEN
Total/NA	Prep	8011			35 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 14:09	KR	EET PEN

Client Sample ID: MW9-ROX-040425
Lab Sample ID: 400-273722-4
Date Collected: 04/04/25 08:35
Matrix: Water
Date Received: 04/05/25 10:16

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	706092	04/17/25 21:03	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	706006	04/16/25 23:15	RSG	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706017	04/16/25 22:40	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706018	04/16/25 22:40	LWL	EET PEN
Total/NA	Prep	8011			32.8 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 14:31	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-704931/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 10:16	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705461/1-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 18:09	LWL	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 18:09	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706006/5
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	706006	04/16/25 16:22	RSG	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706092/4
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	706092	04/17/25 11:48	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-704931/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 10:37	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705461/2-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 18:40	LWL	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 18:40	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-273722-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705461/3-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 19:11	LWL	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706006/1002
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	706006	04/16/25 14:50	RSG	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706092/1002
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	706092	04/17/25 10:37	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-704931/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	704931	04/08/25 08:01	KR	EET PEN
Total/NA	Analysis	8011		1			704950	04/08/25 10:58	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705461/4-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 19:42	LWL	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: 400-273722-1

GC/MS VOA

Analysis Batch: 706006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-1	TB-ROX-040425-8260	Total/NA	Water	8260D	
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8260D	
400-273722-4	MW9-ROX-040425	Total/NA	Water	8260D	
MB 400-706006/5	Method Blank	Total/NA	Water	8260D	
LCS 400-706006/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 706092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-1	TB-ROX-040425-8260	Total/NA	Water	8260D	
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8260D	
400-273722-4	MW9-ROX-040425	Total/NA	Water	8260D	
MB 400-706092/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706092/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 705461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	3511	
400-273722-4	MW9-ROX-040425	Total/NA	Water	3511	
MB 400-705461/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-705461/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-705461/4-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 706013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-705461/1-A	Method Blank	Total/NA	Water	8270E	705461
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	8270E	705461
LCS 400-705461/3-A	Lab Control Sample	Total/NA	Water	8270E	705461
LCSD 400-705461/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	705461

Analysis Batch: 706014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-705461/1-A	Method Blank	Total/NA	Water	8270E	705461
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	8270E	705461

Analysis Batch: 706017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8270E	705461
400-273722-4	MW9-ROX-040425	Total/NA	Water	8270E	705461

Analysis Batch: 706018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8270E	705461
400-273722-4	MW9-ROX-040425	Total/NA	Water	8270E	705461

GC Semi VOA

Prep Batch: 704931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-2	TB-ROX-040425-8011	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 704931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8011	
400-273722-4	MW9-ROX-040425	Total/NA	Water	8011	
MB 400-704931/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-704931/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-704931/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 704950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273722-2	TB-ROX-040425-8011	Total/NA	Water	8011	704931
400-273722-3	MW9-ROX-040425-EB	Total/NA	Water	8011	704931
400-273722-4	MW9-ROX-040425	Total/NA	Water	8011	704931
MB 400-704931/1-A	Method Blank	Total/NA	Water	8011	704931
LCS 400-704931/2-A	Lab Control Sample	Total/NA	Water	8011	704931
LCSD 400-704931/3-A	Lab Control Sample Dup	Total/NA	Water	8011	704931

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

Lab Sample ID: MB 400-706006/5
Matrix: Water
Analysis Batch: 706006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/16/25 16:22	1
Acrolein	ND		20	3.3	ug/L			04/16/25 16:22	1
Acrylonitrile	ND		10	2.8	ug/L			04/16/25 16:22	1
Benzene	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Bromobenzene	ND		1.0	0.54	ug/L			04/16/25 16:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/16/25 16:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Bromoform	ND		5.0	0.25	ug/L			04/16/25 16:22	1
Bromomethane	ND		1.0	0.98	ug/L			04/16/25 16:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/16/25 16:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/16/25 16:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/16/25 16:22	1
Chloroethane	ND		1.0	0.76	ug/L			04/16/25 16:22	1
Chloroform	ND		1.0	0.90	ug/L			04/16/25 16:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/16/25 16:22	1
Chloromethane	ND		1.0	0.40	ug/L			04/16/25 16:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/16/25 16:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/16/25 16:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/16/25 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/16/25 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/16/25 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/16/25 16:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/16/25 16:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/16/25 16:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 16:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/16/25 16:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/16/25 16:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/16/25 16:22	1
2-Hexanone	ND		25	4.3	ug/L			04/16/25 16:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/16/25 16:22	1
Methylene bromide	ND		5.0	0.22	ug/L			04/16/25 16:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/16/25 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/16/25 16:22	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/16/25 16:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/16/25 16:22	1
Naphthalene	ND		5.0	3.0	ug/L			04/16/25 16:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/16/25 16:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/16/25 16:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/16/25 16:22	1
o-Xylene	ND		5.0	3.0	ug/L			04/16/25 16:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/16/25 16:22	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/16/25 16:22	1

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

Lab Sample ID: MB 400-706006/5
Matrix: Water
Analysis Batch: 706006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/16/25 16:22	1
Styrene	ND		1.0	1.0	ug/L			04/16/25 16:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/16/25 16:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/16/25 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/16/25 16:22	1
Toluene	ND		1.0	0.90	ug/L			04/16/25 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/16/25 16:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/16/25 16:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/16/25 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/16/25 16:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/16/25 16:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/16/25 16:22	1
Trichloroethene	ND		1.0	0.15	ug/L			04/16/25 16:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/16/25 16:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/16/25 16:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/16/25 16:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/16/25 16:22	1
Vinyl acetate	ND		25	0.93	ug/L			04/16/25 16:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/16/25 16:22	1
Xylenes, Total	ND		10	6.0	ug/L			04/16/25 16:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/16/25 16:22*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*04/16/25 16:22*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*04/16/25 16:22*	*1*

Lab Sample ID: LCS 400-706006/1002
Matrix: Water
Analysis Batch: 706006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	181		ug/L		90	43 - 150
Acrolein	500	616		ug/L		123	38 - 150
Acrylonitrile	500	388		ug/L		78	64 - 142
Benzene	50.0	40.5		ug/L		81	70 - 130
Bromobenzene	50.0	43.4		ug/L		87	70 - 132
Bromochloromethane	50.0	47.8		ug/L		96	70 - 130
Bromodichloromethane	50.0	40.1		ug/L		80	67 - 133
Bromoform	50.0	40.0		ug/L		80	57 - 140
Bromomethane	50.0	58.9		ug/L		118	10 - 150
2-Butanone (MEK)	200	169		ug/L		84	61 - 145
Carbon disulfide	50.0	34.9		ug/L		70	61 - 137
Carbon tetrachloride	50.0	38.3		ug/L		77	61 - 137
Chlorobenzene	50.0	42.3		ug/L		85	70 - 130
Chloroethane	50.0	42.6		ug/L		85	55 - 141
Chloroform	50.0	41.2		ug/L		82	69 - 130
1-Chlorohexane	50.0	38.8		ug/L		78	69 - 130

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

Lab Sample ID: LCS 400-706006/1002
Matrix: Water
Analysis Batch: 706006

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	32.2		ug/L		64	58 - 137
cis-1,2-Dichloroethene	50.0	41.6		ug/L		83	68 - 130
cis-1,3-Dichloropropene	50.0	40.9		ug/L		82	69 - 132
Dibromochloromethane	50.0	42.2		ug/L		84	67 - 135
1,2-Dichlorobenzene	50.0	45.1		ug/L		90	67 - 130
1,3-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 130
1,4-Dichlorobenzene	50.0	44.8		ug/L		90	70 - 130
Dichlorodifluoromethane	50.0	40.6		ug/L		81	41 - 146
1,1-Dichloroethane	50.0	40.6		ug/L		81	70 - 130
1,2-Dichloroethane	50.0	42.7		ug/L		85	69 - 130
1,1-Dichloroethene	50.0	41.7		ug/L		83	63 - 134
1,2-Dichloropropane	50.0	39.4		ug/L		79	70 - 130
1,3-Dichloropropane	50.0	41.1		ug/L		82	70 - 130
2,2-Dichloropropane	50.0	38.9		ug/L		78	52 - 135
1,1-Dichloropropene	50.0	42.1		ug/L		84	70 - 130
Ethylbenzene	50.0	44.0		ug/L		88	70 - 130
Ethyl methacrylate	50.0	42.8		ug/L		86	68 - 130
Hexachlorobutadiene	50.0	40.6		ug/L		81	53 - 140
2-Hexanone	200	181		ug/L		91	65 - 137
Isopropylbenzene	50.0	44.0		ug/L		88	70 - 130
Methylene bromide	50.0	41.1		ug/L		82	70 - 130
Methylene Chloride	50.0	40.3		ug/L		81	66 - 135
4-Methyl-2-pentanone (MIBK)	200	167		ug/L		84	69 - 138
Methyl tert-butyl ether	50.0	40.7		ug/L		81	66 - 130
m-Xylene & p-Xylene	50.0	44.1		ug/L		88	70 - 130
Naphthalene	50.0	52.9		ug/L		106	47 - 149
n-Butylbenzene	50.0	54.6		ug/L		109	67 - 130
N-Propylbenzene	50.0	47.1		ug/L		94	70 - 130
o-Chlorotoluene	50.0	41.7		ug/L		83	70 - 130
o-Xylene	50.0	43.6		ug/L		87	70 - 130
p-Chlorotoluene	50.0	46.5		ug/L		93	70 - 130
p-Isopropyltoluene	50.0	51.8		ug/L		104	65 - 130
sec-Butylbenzene	50.0	48.5		ug/L		97	66 - 130
Styrene	50.0	43.3		ug/L		87	70 - 130
tert-Butylbenzene	50.0	47.7		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	43.4		ug/L		87	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.8		ug/L		90	70 - 131
Tetrachloroethene	50.0	36.4		ug/L		73	65 - 130
Toluene	50.0	58.7		ug/L		117	70 - 130
trans-1,2-Dichloroethene	50.0	42.6		ug/L		85	70 - 130
trans-1,3-Dichloropropene	50.0	38.4		ug/L		77	63 - 130
1,2,3-Trichlorobenzene	50.0	51.0		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	52.7		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	39.7		ug/L		79	68 - 130
1,1,2-Trichloroethane	50.0	40.9		ug/L		82	70 - 130
Trichloroethene	50.0	43.0		ug/L		86	70 - 130
Trichlorofluoromethane	50.0	43.1		ug/L		86	65 - 138
1,2,3-Trichloropropane	50.0	41.4		ug/L		83	70 - 130
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130

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

Lab Sample ID: LCS 400-706006/1002
Matrix: Water
Analysis Batch: 706006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	50.0	48.7		ug/L		97	69 - 130
Vinyl acetate	100	94.2		ug/L		94	26 - 150
Vinyl chloride	50.0	40.5		ug/L		81	59 - 136
Xylenes, Total	100	87.7		ug/L		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*56 - 136*
Dibromofluoromethane	*102*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: MB 400-706092/4
Matrix: Water
Analysis Batch: 706092

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/17/25 11:48*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*04/17/25 11:48*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/17/25 11:48*	*1*

Lab Sample ID: LCS 400-706092/1002
Matrix: Water
Analysis Batch: 706092

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	50.0	41.9		ug/L		84	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/11/25 14:01	04/16/25 18:09	1
Aniline	ND		10	0.74	ug/L		04/11/25 14:01	04/16/25 18:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzenethiol	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 18:09	1
Anthracene	ND		0.20	0.073	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzoic acid	ND		30	24	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	ND		10	1.9	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/11/25 14:01	04/16/25 18:09	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/11/25 14:01	04/16/25 18:09	1
Chrysene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 18:09	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chloroaniline	ND		10	0.28	ug/L		04/11/25 14:01	04/16/25 18:09	1
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/11/25 14:01	04/16/25 18:09	1
Fluorene	ND		0.20	0.087	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Chlorophenol	ND		10	0.22	ug/L		04/11/25 14:01	04/16/25 18:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 18:09	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenzofuran	ND		10	0.15	ug/L		04/11/25 14:01	04/16/25 18:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/11/25 14:01	04/16/25 18:09	1
Phenanthrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pyrene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1
Diethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/11/25 14:01	04/16/25 18:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
1,4-Dioxane	ND		10	0.070	ug/L		04/11/25 14:01	04/16/25 18:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachloroethane	ND		10	0.53	ug/L		04/11/25 14:01	04/16/25 18:09	1
Indene	ND		10	0.44	ug/L		04/11/25 14:01	04/16/25 18:09	1
Isophorone	ND		10	0.80	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Methylphenol	ND		10	0.30	ug/L		04/11/25 14:01	04/16/25 18:09	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Nitroaniline	ND		10	1.4	ug/L		04/11/25 14:01	04/16/25 18:09	1

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		10	0.95	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Nitroaniline	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 18:09	1
Nitrobenzene	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Nitrophenol	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Nitrophenol	ND		10	2.7	ug/L		04/11/25 14:01	04/16/25 18:09	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/11/25 14:01	04/16/25 18:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/11/25 14:01	04/16/25 18:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pentachlorophenol	ND		10	0.41	ug/L		04/11/25 14:01	04/16/25 18:09	1
Phenol	ND		10	0.27	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pyridine	ND		10	0.64	ug/L		04/11/25 14:01	04/16/25 18:09	1
Quinoline	ND		10	0.50	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/11/25 14:01	04/16/25 18:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2-Fluorophenol	*99*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Phenol-d5	*50*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.5		ug/L		58	44 - 122
Aniline	25.0	11.8		ug/L		47	10 - 150
Acenaphthylene	25.0	14.7		ug/L		59	42 - 125
Anthracene	25.0	15.4		ug/L		61	51 - 136
Benzoic acid	4290	262	E *-	ug/L		6	10 - 180
Benzo[a]anthracene	25.0	16.0		ug/L		64	50 - 138
Benzo[a]pyrene	25.0	14.9		ug/L		60	53 - 134
Bis(2-chloroethoxy)methane	25.0	18.6		ug/L		75	60 - 123
Benzo[b]fluoranthene	25.0	16.5		ug/L		66	50 - 134
Bis(2-chloroethyl)ether	25.0	14.8		ug/L		59	45 - 127
Benzo[g,h,i]perylene	25.0	15.1		ug/L		60	42 - 138
bis (2-chloroisopropyl) ether	25.0	14.9		ug/L		59	10 - 150
Benzo[k]fluoranthene	25.0	15.3		ug/L		61	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	18.6		ug/L		74	10 - 147
4-Bromophenyl phenyl ether	25.0	14.3		ug/L		57	50 - 126
Chrysene	25.0	15.3		ug/L		61	53 - 141
Butyl benzyl phthalate	25.0	21.1		ug/L		84	36 - 137

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

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	25.0	15.2		ug/L		61	41 - 139
4-Chloroaniline	25.0	14.6		ug/L		58	10 - 150
Fluoranthene	25.0	16.5		ug/L		66	49 - 141
4-Chloro-3-methylphenol	25.0	19.1		ug/L		76	14 - 150
Fluorene	25.0	14.9		ug/L		60	41 - 136
2-Chloronaphthalene	25.0	40.5	*+	ug/L		162	44 - 122
2-Chlorophenol	25.0	15.1		ug/L		60	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.2		ug/L		61	30 - 150
1-Methylnaphthalene	25.0	14.6		ug/L		59	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.2		ug/L		57	51 - 125
2-Methylnaphthalene	25.0	15.0		ug/L		60	31 - 115
Dibenz[a,h]acridine	998	31.3	*-	ug/L		3	50 - 150
Dibenzofuran	25.0	15.1		ug/L		60	55 - 125
3,3'-Dichlorobenzidine	33.3	21.7		ug/L		65	10 - 150
Phenanthrene	25.0	15.2		ug/L		61	50 - 133
2,4-Dichlorophenol	25.0	17.5		ug/L		70	11 - 150
Pyrene	25.0	16.7		ug/L		67	46 - 149
Diethyl phthalate	25.0	18.4		ug/L		74	61 - 130
2,4-Dimethylphenol	25.0	8.15	J	ug/L		33	5 - 150
Dimethyl phthalate	25.0	19.4		ug/L		78	55 - 139
Di-n-butyl phthalate	25.0	19.2		ug/L		77	50 - 150
4,6-Dinitro-ortho-cresol	50.0	42.2		ug/L		84	10 - 150
2,4-Dinitrophenol	50.0	45.3		ug/L		91	10 - 150
2,4-Dinitrotoluene	25.0	17.5		ug/L		70	46 - 137
2,6-Dinitrotoluene	25.0	18.7		ug/L		75	35 - 150
Di-n-octyl phthalate	25.0	19.0		ug/L		76	10 - 150
1,4-Dioxane	25.0	14.0		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.3	I	ug/L		61	49 - 125
Hexachlorobenzene	25.0	15.4		ug/L		62	53 - 126
Hexachlorocyclopentadiene	25.0	18.7	J	ug/L		75	10 - 150
Hexachloroethane	25.0	12.8		ug/L		51	10 - 112
Indene	1000	26.8	*-	ug/L		3	50 - 150
Isophorone	25.0	14.6		ug/L		58	51 - 125
2-Methylphenol	25.0	17.4		ug/L		69	42 - 120
3 & 4 Methylphenol	25.0	14.4	J	ug/L		58	10 - 150
2-Nitroaniline	25.0	18.3		ug/L		73	10 - 150
3-Nitroaniline	25.0	20.5		ug/L		82	10 - 150
4-Nitroaniline	25.0	23.8		ug/L		95	10 - 144
Nitrobenzene	25.0	15.9		ug/L		64	57 - 138
2-Nitrophenol	25.0	19.8		ug/L		79	21 - 150
4-Nitrophenol	50.0	40.5		ug/L		81	10 - 150
N-Nitrosodimethylamine	25.0	15.4		ug/L		61	10 - 136
N-Nitrosodi-n-propylamine	25.0	15.8		ug/L		63	53 - 134
N-Nitrosodiphenylamine	24.8	15.5		ug/L		62	62 - 132
Pentachlorophenol	50.0	51.9		ug/L		104	16 - 150
Phenol	25.0	17.8		ug/L		71	10 - 150
Quinoline	998	26.8	*-	ug/L		3	50 - 150
2,4,5-Trichlorophenol	25.0	17.2		ug/L		69	10 - 150

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

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			25.0	18.2		ug/L		73	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*15 - 150*
Nitrobenzene-d5	*79*		*50 - 150*
Terphenyl-d14	*70*		*43 - 147*
2-Fluorobiphenyl	*66*		*15 - 150*
2-Fluorophenol	*90*		*10 - 150*
Nitrobenzene-d5	*79*		*50 - 150*
Phenol-d5	*49*		*10 - 150*
Terphenyl-d14	*70*		*43 - 147*
2,4,6-Tribromophenol	*90*		*10 - 150*

Lab Sample ID: LCS 400-705461/3-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	26.3		ug/L		53	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*15 - 150*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*92*		*50 - 150*
Phenol-d5	*46*		*10 - 150*
Terphenyl-d14	*84*		*43 - 147*
2,4,6-Tribromophenol	*99*		*10 - 150*

Lab Sample ID: LCSD 400-705461/4-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705461

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	24.8		ug/L		50	10 - 150	6	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*15 - 150*
2-Fluorophenol	*107*		*10 - 150*
Nitrobenzene-d5	*89*		*50 - 150*
Phenol-d5	*41*		*10 - 150*
Terphenyl-d14	*89*		*43 - 147*
2,4,6-Tribromophenol	*95*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-704931/1-A
Matrix: Water
Analysis Batch: 704950

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/08/25 08:01	04/08/25 10:16	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/08/25 08:01	04/08/25 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*51 - 149*	*04/08/25 08:01*	*04/08/25 10:16*	*1*

Lab Sample ID: LCS 400-704931/2-A
Matrix: Water
Analysis Batch: 704950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704931

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0797		ug/L		79	60 - 140		
1,2-Dibromoethane			0.100	0.114		ug/L		113	60 - 140		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene			*83*		*51 - 149*

Lab Sample ID: LCSD 400-704931/3-A
Matrix: Water
Analysis Batch: 704950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 704931

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0785		ug/L		78	60 - 140	2	30
1,2-Dibromoethane			0.100	0.110		ug/L		110	60 - 140	3	30

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene			*84*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/4/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of ___1___
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): E. CHALFANT, T. JENKINS

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 – 3.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 0.9 I08

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040425-8260	4/4/2025	0000	Water	2					2	X			
	TB-ROX-040425-8011	4/4/2025	0000	Water	2					2		X		
	MW9-ROX-040425-EB	4/4/2025	0835	Water	6			4		10	X	X	X	X
	MW9-ROX-040425													

400-273722 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
E. CHALFANT	FEDEX: 423496016167	4/4/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/5/25	Time: 1016

Version: 19Sept24

CUSTODY SEALS: 2779063 ; 2779062

4/22/2025

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
Melissa Remiger	25278
PO #	**GSAP Project ID**
60738191 – 3.2.2	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/4/2025

PAGE: 1 of 1

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): 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 – 3.2.2

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 2Q25 Groundwater

SAMPLER NAME(S) (Print): E. CHALFANT, 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 – 3.2.2

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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040425-8260	4/4/2025	0000	Water	2					2	X			
	TB-ROX-040425-8011	4/4/2025	0000	Water	2					2		X		
	MW9-ROX-040425-EB	4/4/2025	0835	Water	6			4		10	X	X	X	X
	MW9-ROX-040425	4/4/2025	1415	Water	6			4		10	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
E. CHALFANT	FEDEX: 423496016167	4/4/2025	1600

Version: 19Sept24

CUSTODY SEALS: 2779063 ; 2779062

4/22/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-273722-1

Login Number: 273722
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	0.9°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-273722-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-273857-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/8/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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 (%)
MW27-ROX-040725	SVOCs	2-Fluorophenol	**8**	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. No data qualification was required.

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
MW10-ROX-040725 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW10-ROX-040725 MS/MSD	SVOCs	Aniline	**36/28**	24	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	Benzyl alcohol	**0/0**	0	50-150/40
MW10-ROX-040725 MS/MSD	PAHs	Benzo[a]pyrene	52/**49**	3	50-150/40

Stage 2A Validation						
Item Reviewed	**Acceptable Criteria**		**Quality Condition**			**Comments**
			Pass	**Fail[1]**	**N/A**	
MW10-ROX-040725 MS/MSD	PAHs	Benzo[g,h,i]perylene		**41/39**	3	50-150/40
MW10-ROX-040725 MS/MSD	PAHs	Dibenz(a,h)anthracene		**46/41**	10	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	2-Chloronaphthalene		146/**153**	6	50-150/40
MW10-ROX-040725 MS/MSD	PAHs	Indeno[1,2,3-cd]pyrene		**42/40**	3	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	2,4-Dimethylphenol		**14/5**	**92**	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	Indene		52/**45**	13	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	3 & 4 Methylphenol		**37/38**	6	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	4-Nitrophenol		65/**25**	**88**	50-150/40
MW10-ROX-040725 MS/MSD	SVOCs	Pyridine		**0/0**	NC	50-150/40

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. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-040725	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW10-ROX-040725	SVOCs	Aniline	**UJ**
MW10-ROX-040725	PAHs	Benzo[a]pyrene	**UJ**
MW10-ROX-040725	PAHs	Benzo[g,h,i]perylene	**UJ**
MW10-ROX-040725	PAHs	Dibenz(a,h)anthracene	**UJ**
MW10-ROX-040725	PAHs	Indeno[1,2,3-cd]pyrene	**UJ**
MW10-ROX-040725	SVOCs	2,4-Dimethylphenol	**UJ**
MW10-ROX-040725	SVOCs	3 & 4 Methylphenol	**UJ**
MW10-ROX-040725	SVOCs	4-Nitrophenol	**UJ**
MW10-ROX-040725	SVOCs	Pyridine	**UJ**
MW10-ROX-040725	SVOCs	Indene	**UJ**

Benzyl alcohol in sample MW10-ROX-040725 was qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualification is required.

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.

Method 8270E (SVOCs)
Professional judgment was used to qualify, however not reject, data associated with pyridine below evaluation criteria; pyridine has been identified as a poor-performing analyte under Method 8270.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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 400-705461/2-A	SVOCs	Benzyl Alcohol	**0.4**	NC	10-150
LCS 400-705461/2-A	SVOCs	2-Chloronaphthalene	**162**	NC	44-122

Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

MW10-ROX-040725	SVOCs	Benzyl Alcohol	UJ
MW11-ROX-040725	SVOCs	Benzyl Alcohol	UJ
MW27-ROX-040725	SVOCs	Benzyl Alcohol	UJ

Method 8270E (SVOCs)
Professional judgment was used to qualify, however not reject, data associated with benzyl alcohol below evaluation criteria; benzyl alcohol has been identified as a poor-performing analyte under Method 8270.

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 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 July 16, 2025, to include missing QC.
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 (VOCs) The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low. The initial calibration verifications (ICV) for pyridine was outside criteria biased low, and benzoic acid, was outside evaluation criteria, biased high.					

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Benzyl alcohol in MW10-ROX-040725, MW11-ROX-040725, and MW27-ROX-040725 was previously qualified due to LCS/LCSD outside evaluation criteria; no further qualification was required. Analytes are qualified as summarized in the following table. **Sample ID** / **Parameter** / **Analyte** / **Qualification** MW27-ROX-040725 / SVOCs / 2-Methylphenol / UJ MW27-ROX-040725 / SVOCs / 4-Nitrophenol / UJ MW27-ROX-040725 / SVOCs / Pyridine / UJ MW27-ROX-040725 / SVOCs / Benzoic Acid / J					
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			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**	
	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.

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/6/2025 12:33:33 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-273857-1

Reviewed 7/16/2025
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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Job Narrative
400-273857-1

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 4/8/2025 9:00 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 1.1°C.

GC/MS VOA
Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-706092 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 400-706092 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260D: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-040725-8260 (400-273857-1), MW27-ROX-040725 (400-273857-4) and MW11-ROX-040725 (400-273857-5). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

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

GC/MS Semi VOA
Method 8270E_LL_QQQ: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-705461 and analytical batch 400-706014 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 8270E_LL_QQQ: The following sample was diluted due to the nature of the sample matrix: MW27-ROX-040725 (400-273857-4). Elevated reporting limits (RLs) are provided.

Method 8270E_LL_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: MW27-ROX-040725 (400-273857-4). These results have been reported and qualified.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-706013 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-butyl 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 following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-705461 and analytical batch 400-706013: Benzoic acid, Benzyl alcohol, Dibenz[a,h]acridine, Indene, Pyridine and Quinoline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) for preparation batch 400-705461 and analytical batch 400-706013 recovered outside control limits for the following analytes: 2-Chloronaphthalene. 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 continuing calibration verification (CCV) associated with batch 400-706013 recovered outside

acceptance criteria, low biased, for Benzyl alcohol. 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: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW27-ROX-040725 (400-273857-4). These results have been reported and qualified.

Method 8270E_QQQ: The following sample was diluted due to the nature of the sample matrix: MW27-ROX-040725 (400-273857-4). Elevated reporting limits (RLs) are provided.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-706204 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol and N-Nitrosodi-n-propylamine. 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 400-706204 recovered outside acceptance criteria, low biased, for 2-Methylphenol and 4-Nitrophenol. 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.

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

GC Semi VOA
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: 400-273857-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-273857-1	TB-ROX-040725-8260	Water	04/07/25 00:00	04/08/25 09:00
400-273857-2	TB-ROX-040725-8011	Water	04/07/25 00:00	04/08/25 09:00
400-273857-3	MW10-ROX-040725	Water	04/07/25 10:15	04/08/25 09:00
400-273857-4	MW27-ROX-040725	Water	04/07/25 12:00	04/08/25 09:00
400-273857-5	MW11-ROX-040725	Water	04/07/25 13:20	04/08/25 09:00

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: TB-ROX-040725-8260 — Lab Sample ID: 400-273857-1

No Detections.

Client Sample ID: TB-ROX-040725-8011 — Lab Sample ID: 400-273857-2

No Detections.

Client Sample ID: MW10-ROX-040725 — Lab Sample ID: 400-273857-3

No Detections.

Client Sample ID: MW27-ROX-040725 — Lab Sample ID: 400-273857-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzoic acid	120	J *- J	150	120	ug/L	5		8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.16	J	1.0	0.16	ug/L	5		8270E	Total/NA

Client Sample ID: MW11-ROX-040725 — Lab Sample ID: 400-273857-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: TB-ROX-040725-8260
Date Collected: 04/07/25 00:00
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-1
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			04/17/25 16:12	1
Acrolein	ND		20	3.3	ug/L			04/17/25 16:12	1
Acrylonitrile	ND		10	2.8	ug/L			04/17/25 16:12	1
Benzene	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Bromobenzene	ND		1.0	0.54	ug/L			04/17/25 16:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/17/25 16:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Bromoform	ND		5.0	0.25	ug/L			04/17/25 16:12	1
Bromomethane	ND		1.0	0.98	ug/L			04/17/25 16:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/17/25 16:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/17/25 16:12	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/17/25 16:12	1
Chloroethane	ND		1.0	0.76	ug/L			04/17/25 16:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 16:12	1
Chloroform	ND		1.0	0.90	ug/L			04/17/25 16:12	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/17/25 16:12	1
Chloromethane	ND		1.0	0.40	ug/L			04/17/25 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/17/25 16:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/17/25 16:12	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/17/25 16:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/17/25 16:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/17/25 16:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/17/25 16:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/17/25 16:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/17/25 16:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 16:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/17/25 16:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/17/25 16:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/17/25 16:12	1
2-Hexanone	ND		25	4.3	ug/L			04/17/25 16:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/17/25 16:12	1
Methylene bromide	ND		5.0	0.22	ug/L			04/17/25 16:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/17/25 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/17/25 16:12	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/17/25 16:12	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/17/25 16:12	1
Naphthalene	ND		5.0	3.0	ug/L			04/17/25 16:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/17/25 16:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/17/25 16:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/17/25 16:12	1
o-Xylene	ND		5.0	3.0	ug/L			04/17/25 16:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/17/25 16:12	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/17/25 16:12	1

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040725-8260
Lab Sample ID: 400-273857-1
Date Collected: 04/07/25 00:00
Matrix: Water
Date Received: 04/08/25 09:00

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			04/17/25 16:12	1
Styrene	ND		1.0	1.0	ug/L			04/17/25 16:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/17/25 16:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/17/25 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/17/25 16:12	1
Toluene	ND		1.0	0.90	ug/L			04/17/25 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 16:12	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/17/25 16:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/17/25 16:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/17/25 16:12	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/17/25 16:12	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/17/25 16:12	1
Trichloroethene	ND		1.0	0.15	ug/L			04/17/25 16:12	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/17/25 16:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/17/25 16:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/17/25 16:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/17/25 16:12	1
Vinyl acetate	ND		25	0.93	ug/L			04/17/25 16:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/17/25 16:12	1
Xylenes, Total	ND		10	6.0	ug/L			04/17/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/17/25 16:12*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*04/17/25 16:12*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/17/25 16:12*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: TB-ROX-040725-8011
Date Collected: 04/07/25 00:00
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/10/25 10:51	04/10/25 17:23	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/10/25 10:51	04/10/25 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/10/25 10:51*	*04/10/25 17:23*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: MW10-ROX-040725
Date Collected: 04/07/25 10:15
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-3
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			04/17/25 13:07	1
Acrolein	ND		20	3.3	ug/L			04/17/25 13:07	1
Acrylonitrile	ND		10	2.8	ug/L			04/17/25 13:07	1
Benzene	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Bromobenzene	ND		1.0	0.54	ug/L			04/17/25 13:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/17/25 13:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Bromoform	ND		5.0	0.25	ug/L			04/17/25 13:07	1
Bromomethane	ND		1.0	0.98	ug/L			04/17/25 13:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/17/25 13:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/17/25 13:07	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/17/25 13:07	1
Chloroethane	ND		1.0	0.76	ug/L			04/17/25 13:07	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/17/25 13:07	1
Chloroform	ND		1.0	0.90	ug/L			04/17/25 13:07	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/17/25 13:07	1
Chloromethane	ND		1.0	0.40	ug/L			04/17/25 13:07	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/17/25 13:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/17/25 13:07	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/17/25 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/17/25 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/17/25 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/17/25 13:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/17/25 13:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/17/25 13:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 13:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/17/25 13:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/17/25 13:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/17/25 13:07	1
2-Hexanone	ND		25	4.3	ug/L			04/17/25 13:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/17/25 13:07	1
Methylene bromide	ND		5.0	0.22	ug/L			04/17/25 13:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/17/25 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/17/25 13:07	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/17/25 13:07	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/17/25 13:07	1
Naphthalene	ND		5.0	3.0	ug/L			04/17/25 13:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/17/25 13:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/17/25 13:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/17/25 13:07	1
o-Xylene	ND		5.0	3.0	ug/L			04/17/25 13:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/17/25 13:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/17/25 13:07	1

Client Sample ID: MW10-ROX-040725
Date Collected: 04/07/25 10:15
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-3
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			04/17/25 13:07	1
Styrene	ND		1.0	1.0	ug/L			04/17/25 13:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/17/25 13:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/17/25 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/17/25 13:07	1
Toluene	ND		1.0	0.90	ug/L			04/17/25 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 13:07	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/17/25 13:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/17/25 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/17/25 13:07	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/17/25 13:07	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/17/25 13:07	1
Trichloroethene	ND		1.0	0.15	ug/L			04/17/25 13:07	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/17/25 13:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/17/25 13:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/17/25 13:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/17/25 13:07	1
Vinyl acetate	ND		25	0.93	ug/L			04/17/25 13:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/17/25 13:07	1
Xylenes, Total	ND		10	6.0	ug/L			04/17/25 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*56 - 136*		*04/17/25 13:07*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/17/25 13:07*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*04/17/25 13:07*	*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		04/11/25 14:01	04/16/25 20:44	1
Aniline	ND	F1 UJ	10	0.74	ug/L		04/11/25 14:01	04/16/25 20:44	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzenethiol	ND		10	0.060	ug/L		04/11/25 14:01	04/16/25 20:44	1
Anthracene	ND		0.20	0.073	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzoic acid	ND	F1 *-	30	24	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzyl alcohol	ND	F1 *- UJ	10	1.9	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzo[a]pyrene	ND	F1 UJ	0.20	0.045	ug/L		04/11/25 14:01	04/16/25 20:44	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/11/25 14:01	04/16/25 20:44	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzo[g,h,i]perylene	ND	F1 UJ	0.20	0.052	ug/L		04/11/25 14:01	04/16/25 20:44	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/11/25 14:01	04/16/25 20:44	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 20:44	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/11/25 14:01	04/16/25 20:44	1
Chrysene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 20:44	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
Dibenz(a,h)anthracene	ND	F1 UJ	0.20	0.044	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Chloroaniline	ND		10	0.28	ug/L		04/11/25 14:01	04/16/25 20:44	1

Client Sample ID: MW10-ROX-040725
Date Collected: 04/07/25 10:15
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/11/25 14:01	04/16/25 20:44	1
Fluorene	ND		0.20	0.087	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Chloronaphthalene	ND	F1 *+	10	0.38	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Chlorophenol	ND		10	0.22	ug/L		04/11/25 14:01	04/16/25 20:44	1
Indeno[1,2,3-cd]pyrene	ND	F1 UJ	0.20	0.032	ug/L		04/11/25 14:01	04/16/25 20:44	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/11/25 14:01	04/16/25 20:44	1
Dibenz[a,h]acridine	ND	F1 *- UJ	10	0.69	ug/L		04/11/25 14:01	04/16/25 20:44	1
Dibenzofuran	ND		10	0.15	ug/L		04/11/25 14:01	04/16/25 20:44	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/11/25 14:01	04/16/25 20:44	1
Phenanthrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/11/25 14:01	04/16/25 20:44	1
Pyrene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 20:44	1
Diethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4-Dimethylphenol	ND	F2 F1 UJ	10	0.24	ug/L		04/11/25 14:01	04/16/25 20:44	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/11/25 14:01	04/16/25 20:44	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 20:44	1
1,4-Dioxane	ND		10	0.070	ug/L		04/11/25 14:01	04/16/25 20:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/11/25 14:01	04/16/25 20:44	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/11/25 14:01	04/16/25 20:44	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 20:44	1
Hexachloroethane	ND		10	0.53	ug/L		04/11/25 14:01	04/16/25 20:44	1
Indene	ND	F1 *- UJ	10	0.44	ug/L		04/11/25 14:01	04/16/25 20:44	1
Isophorone	ND		10	0.80	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Methylphenol	ND		10	0.30	ug/L		04/11/25 14:01	04/16/25 20:44	1
3 & 4 Methylphenol	ND	F1 UJ	20	0.18	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Nitroaniline	ND		10	1.4	ug/L		04/11/25 14:01	04/16/25 20:44	1
3-Nitroaniline	ND		10	0.95	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Nitroaniline	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 20:44	1
Nitrobenzene	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 20:44	1
2-Nitrophenol	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 20:44	1
4-Nitrophenol	ND	F2 F1 UJ	10	2.7	ug/L		04/11/25 14:01	04/16/25 20:44	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/11/25 14:01	04/16/25 20:44	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/11/25 14:01	04/16/25 20:44	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/11/25 14:01	04/16/25 20:44	1
Pentachlorophenol	ND		10	0.41	ug/L		04/11/25 14:01	04/16/25 20:44	1
Phenol	ND		10	0.27	ug/L		04/11/25 14:01	04/16/25 20:44	1
Pyridine	ND	F1 *- UJ	10	0.64	ug/L		04/11/25 14:01	04/16/25 20:44	1
Quinoline	ND	F1 *-	10	0.50	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/11/25 14:01	04/16/25 20:44	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/11/25 14:01	04/16/25 20:44	1

Client Sample ID: MW10-ROX-040725
Lab Sample ID: 400-273857-3
Date Collected: 04/07/25 10:15
Matrix: Water
Date Received: 04/08/25 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
Terphenyl-d14	*79*		*43 - 147*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
2-Fluorophenol	*99*		*10 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
Nitrobenzene-d5	*85*		*50 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
Phenol-d5	*41*		*10 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
Terphenyl-d14	*79*		*43 - 147*	*04/11/25 14:01*	*04/16/25 20:44*	*1*
2,4,6-Tribromophenol	*85*		*10 - 150*	*04/11/25 14:01*	*04/16/25 20:44*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.018	ug/L		04/10/25 10:51	04/10/25 17:44	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/10/25 10:51	04/10/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/10/25 10:51*	*04/10/25 17:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: MW27-ROX-040725
Date Collected: 04/07/25 12:00
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-4
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			04/17/25 19:17	1
Acrolein	ND		20	3.3	ug/L			04/17/25 19:17	1
Acrylonitrile	ND		10	2.8	ug/L			04/17/25 19:17	1
Benzene	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Bromobenzene	ND		1.0	0.54	ug/L			04/17/25 19:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/17/25 19:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Bromoform	ND		5.0	0.25	ug/L			04/17/25 19:17	1
Bromomethane	ND		1.0	0.98	ug/L			04/17/25 19:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/17/25 19:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/17/25 19:17	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/17/25 19:17	1
Chloroethane	ND		1.0	0.76	ug/L			04/17/25 19:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 19:17	1
Chloroform	ND		1.0	0.90	ug/L			04/17/25 19:17	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/17/25 19:17	1
Chloromethane	ND		1.0	0.40	ug/L			04/17/25 19:17	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/17/25 19:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/17/25 19:17	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/17/25 19:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/17/25 19:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/17/25 19:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/17/25 19:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/17/25 19:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/17/25 19:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 19:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/17/25 19:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/17/25 19:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/17/25 19:17	1
2-Hexanone	ND		25	4.3	ug/L			04/17/25 19:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/17/25 19:17	1
Methylene bromide	ND		5.0	0.22	ug/L			04/17/25 19:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/17/25 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/17/25 19:17	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/17/25 19:17	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/17/25 19:17	1
Naphthalene	ND		5.0	3.0	ug/L			04/17/25 19:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/17/25 19:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/17/25 19:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/17/25 19:17	1
o-Xylene	ND		5.0	3.0	ug/L			04/17/25 19:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/17/25 19:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/17/25 19:17	1

Client Sample ID: MW27-ROX-040725
Date Collected: 04/07/25 12:00
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-4
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			04/17/25 19:17	1
Styrene	ND		1.0	1.0	ug/L			04/17/25 19:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/17/25 19:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/17/25 19:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/17/25 19:17	1
Toluene	ND		1.0	0.90	ug/L			04/17/25 19:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/17/25 19:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/17/25 19:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/17/25 19:17	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/17/25 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/17/25 19:17	1
Trichloroethene	ND		1.0	0.15	ug/L			04/17/25 19:17	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/17/25 19:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/17/25 19:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/17/25 19:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/17/25 19:17	1
Vinyl acetate	ND		25	0.93	ug/L			04/17/25 19:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/17/25 19:17	1
Xylenes, Total	ND		10	6.0	ug/L			04/17/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/17/25 19:17*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*04/17/25 19:17*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/17/25 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.0	0.43	ug/L		04/11/25 14:01	04/17/25 21:13	5
Aniline	ND		50	3.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
Acenaphthylene	ND		1.0	0.24	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzenethiol	ND		50	0.30	ug/L		04/11/25 14:01	04/17/25 21:13	5
Anthracene	ND		1.0	0.37	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzoic acid	**120**	J *- J	150	120	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzyl alcohol	ND	*- UJ	50	9.3	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzo[a]pyrene	ND		1.0	0.23	ug/L		04/11/25 14:01	04/17/25 21:13	5
Bis(2-chloroethoxy)methane	ND		50	1.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzo[b]fluoranthene	ND		1.0	0.21	ug/L		04/11/25 14:01	04/17/25 21:13	5
Bis(2-chloroethyl)ether	ND		50	0.70	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzo[g,h,i]perylene	ND		1.0	0.26	ug/L		04/11/25 14:01	04/17/25 21:13	5
bis (2-chloroisopropyl) ether	ND		50	1.0	ug/L		04/11/25 14:01	04/17/25 21:13	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Bis(2-ethylhexyl) phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Bromophenyl phenyl ether	ND		50	0.65	ug/L		04/11/25 14:01	04/17/25 21:13	5
Chrysene	ND		1.0	0.20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Butyl benzyl phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Dibenz(a,h)anthracene	ND		1.0	0.22	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Chloroaniline	ND		50	1.4	ug/L		04/11/25 14:01	04/17/25 21:13	5

Client Sample ID: MW27-ROX-040725
Date Collected: 04/07/25 12:00
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		1.0	0.16	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Chloro-3-methylphenol	ND		50	3.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
Fluorene	ND		1.0	0.44	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Chloronaphthalene	ND	*+	50	1.9	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Chlorophenol	ND		50	1.1	ug/L		04/11/25 14:01	04/17/25 21:13	5
Indeno[1,2,3-cd]pyrene	**0.16**	**J**	1.0	0.16	ug/L		04/11/25 14:01	04/17/25 21:13	5
1-Methylnaphthalene	ND		1.0	0.33	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Chlorophenyl phenyl ether	ND		50	1.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Methylnaphthalene	ND		1.0	0.39	ug/L		04/11/25 14:01	04/17/25 21:13	5
Dibenz[a,h]acridine	ND	*-	50	3.5	ug/L		04/11/25 14:01	04/17/25 21:13	5
Dibenzofuran	ND		50	0.75	ug/L		04/11/25 14:01	04/17/25 21:13	5
3,3'-Dichlorobenzidine	ND		55	2.1	ug/L		04/11/25 14:01	04/17/25 21:13	5
Phenanthrene	ND		1.0	0.22	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4-Dichlorophenol	ND		50	2.9	ug/L		04/11/25 14:01	04/17/25 21:13	5
Pyrene	ND		1.0	0.20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Diethyl phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4-Dimethylphenol	ND		50	1.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
Dimethyl phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
Di-n-butyl phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
4,6-Dinitro-ortho-cresol	ND		50	9.9	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4-Dinitrophenol	ND		150	23	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4-Dinitrotoluene	ND		50	3.3	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,6-Dinitrotoluene	ND		50	1.5	ug/L		04/11/25 14:01	04/17/25 21:13	5
Di-n-octyl phthalate	ND		50	20	ug/L		04/11/25 14:01	04/17/25 21:13	5
1,4-Dioxane	ND		50	0.35	ug/L		04/11/25 14:01	04/17/25 21:13	5
1,2-Diphenylhydrazine (as Azobenzene)	ND		50	1.6	ug/L		04/11/25 14:01	04/17/25 21:13	5
Hexachlorobenzene	ND		50	1.3	ug/L		04/11/25 14:01	04/17/25 21:13	5
Hexachlorocyclopentadiene	ND		100	1.6	ug/L		04/11/25 14:01	04/17/25 21:13	5
Hexachloroethane	ND		50	2.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
Indene	ND	*-	50	2.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
Isophorone	ND		50	4.0	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Methylphenol	ND	UJ	50	1.5	ug/L		04/11/25 14:01	04/17/25 21:13	5
3 & 4 Methylphenol	ND		100	0.90	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Nitroaniline	ND		50	6.9	ug/L		04/11/25 14:01	04/17/25 21:13	5
3-Nitroaniline	ND		50	4.8	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Nitroaniline	ND		50	6.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
Nitrobenzene	ND		50	3.0	ug/L		04/11/25 14:01	04/17/25 21:13	5
2-Nitrophenol	ND		50	5.9	ug/L		04/11/25 14:01	04/17/25 21:13	5
4-Nitrophenol	ND	UJ	50	14	ug/L		04/11/25 14:01	04/17/25 21:13	5
N-Nitrosodimethylamine	ND		50	1.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
N-Nitrosodi-n-propylamine	ND		50	1.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
N-Nitrosodiphenylamine	ND		50	0.95	ug/L		04/11/25 14:01	04/17/25 21:13	5
Pentachlorophenol	ND		50	2.1	ug/L		04/11/25 14:01	04/17/25 21:13	5
Phenol	ND		50	1.4	ug/L		04/11/25 14:01	04/17/25 21:13	5
Pyridine	ND	*- UJ	50	3.2	ug/L		04/11/25 14:01	04/17/25 21:13	5
Quinoline	ND	*-	50	2.5	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4,5-Trichlorophenol	ND		50	2.7	ug/L		04/11/25 14:01	04/17/25 21:13	5
2,4,6-Trichlorophenol	ND		50	5.5	ug/L		04/11/25 14:01	04/17/25 21:13	5

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW27-ROX-040725
Lab Sample ID: 400-273857-4

Date Collected: 04/07/25 12:00
Matrix: Water

Date Received: 04/08/25 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		15 - 150	04/11/25 14:01	04/17/25 21:13	5
Nitrobenzene-d5	71		50 - 150	04/11/25 14:01	04/17/25 21:13	5
Terphenyl-d14	74		43 - 147	04/11/25 14:01	04/17/25 21:13	5
2-Fluorobiphenyl	77		15 - 150	04/11/25 14:01	04/17/25 21:13	5
2-Fluorophenol	8	S1-	10 - 150	04/11/25 14:01	04/17/25 21:13	5
Nitrobenzene-d5	71		50 - 150	04/11/25 14:01	04/17/25 21:13	5
Phenol-d5	19		10 - 150	04/11/25 14:01	04/17/25 21:13	5
Terphenyl-d14	74		43 - 147	04/11/25 14:01	04/17/25 21:13	5
2,4,6-Tribromophenol	17		10 - 150	04/11/25 14:01	04/17/25 21:13	5

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/10/25 10:51	04/10/25 18:48	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/10/25 10:51	04/10/25 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		51 - 149	04/10/25 10:51	04/10/25 18:48	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: MW11-ROX-040725
Date Collected: 04/07/25 13:20
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-5
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			04/17/25 19:43	1
Acrolein	ND		20	3.3	ug/L			04/17/25 19:43	1
Acrylonitrile	ND		10	2.8	ug/L			04/17/25 19:43	1
Benzene	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Bromobenzene	ND		1.0	0.54	ug/L			04/17/25 19:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/17/25 19:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Bromoform	ND		5.0	0.25	ug/L			04/17/25 19:43	1
Bromomethane	ND		1.0	0.98	ug/L			04/17/25 19:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/17/25 19:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/17/25 19:43	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/17/25 19:43	1
Chloroethane	ND		1.0	0.76	ug/L			04/17/25 19:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 19:43	1
Chloroform	ND		1.0	0.90	ug/L			04/17/25 19:43	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/17/25 19:43	1
Chloromethane	ND		1.0	0.40	ug/L			04/17/25 19:43	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/17/25 19:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/17/25 19:43	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/17/25 19:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/17/25 19:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/17/25 19:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/17/25 19:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/17/25 19:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/17/25 19:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 19:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/17/25 19:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/17/25 19:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/17/25 19:43	1
2-Hexanone	ND		25	4.3	ug/L			04/17/25 19:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/17/25 19:43	1
Methylene bromide	ND		5.0	0.22	ug/L			04/17/25 19:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/17/25 19:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/17/25 19:43	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/17/25 19:43	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/17/25 19:43	1
Naphthalene	ND		5.0	3.0	ug/L			04/17/25 19:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/17/25 19:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/17/25 19:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/17/25 19:43	1
o-Xylene	ND		5.0	3.0	ug/L			04/17/25 19:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/17/25 19:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/17/25 19:43	1

Client Sample ID: MW11-ROX-040725
Date Collected: 04/07/25 13:20
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-5
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			04/17/25 19:43	1
Styrene	ND		1.0	1.0	ug/L			04/17/25 19:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/17/25 19:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/17/25 19:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/17/25 19:43	1
Toluene	ND		1.0	0.90	ug/L			04/17/25 19:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 19:43	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/17/25 19:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/17/25 19:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/17/25 19:43	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/17/25 19:43	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/17/25 19:43	1
Trichloroethene	ND		1.0	0.15	ug/L			04/17/25 19:43	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/17/25 19:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/17/25 19:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/17/25 19:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/17/25 19:43	1
Vinyl acetate	ND		25	0.93	ug/L			04/17/25 19:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/17/25 19:43	1
Xylenes, Total	ND		10	6.0	ug/L			04/17/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/17/25 19:43*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/17/25 19:43*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/17/25 19:43*	*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		04/11/25 14:01	04/16/25 22:47	1
Aniline	ND		9.9	0.73	ug/L		04/11/25 14:01	04/16/25 22:47	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzenethiol	ND		9.9	0.059	ug/L		04/11/25 14:01	04/16/25 22:47	1
Anthracene	ND		0.20	0.072	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzoic acid	ND	*-	30	23	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzyl alcohol	ND	*- UJ	9.9	1.8	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 22:47	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/11/25 14:01	04/16/25 22:47	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/11/25 14:01	04/16/25 22:47	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/11/25 14:01	04/16/25 22:47	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:47	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/11/25 14:01	04/16/25 22:47	1
Chrysene	ND		0.20	0.038	ug/L		04/11/25 14:01	04/16/25 22:47	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/11/25 14:01	04/16/25 22:47	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Client Sample ID: MW11-ROX-040725
Date Collected: 04/07/25 13:20
Date Received: 04/08/25 09:00

Lab Sample ID: 400-273857-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		04/11/25 14:01	04/16/25 22:47	1
Fluorene	ND		0.20	0.086	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/11/25 14:01	04/16/25 22:47	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 22:47	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/11/25 14:01	04/16/25 22:47	1
Dibenz[a,h]acridine	ND	*-	9.9	0.68	ug/L		04/11/25 14:01	04/16/25 22:47	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/11/25 14:01	04/16/25 22:47	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/11/25 14:01	04/16/25 22:47	1
Phenanthrene	ND		0.20	0.043	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/11/25 14:01	04/16/25 22:47	1
Pyrene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 22:47	1
Diethyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/11/25 14:01	04/16/25 22:47	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/11/25 14:01	04/16/25 22:47	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		04/11/25 14:01	04/16/25 22:47	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/11/25 14:01	04/16/25 22:47	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/11/25 14:01	04/16/25 22:47	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/11/25 14:01	04/16/25 22:47	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 22:47	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/11/25 14:01	04/16/25 22:47	1
Indene	ND	*-	9.9	0.43	ug/L		04/11/25 14:01	04/16/25 22:47	1
Isophorone	ND		9.9	0.79	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Methylphenol	ND		9.9	0.30	ug/L		04/11/25 14:01	04/16/25 22:47	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/11/25 14:01	04/16/25 22:47	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/11/25 14:01	04/16/25 22:47	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/11/25 14:01	04/16/25 22:47	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/11/25 14:01	04/16/25 22:47	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/11/25 14:01	04/16/25 22:47	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/11/25 14:01	04/16/25 22:47	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/11/25 14:01	04/16/25 22:47	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/11/25 14:01	04/16/25 22:47	1
Pentachlorophenol	ND		9.9	0.40	ug/L		04/11/25 14:01	04/16/25 22:47	1
Phenol	ND		9.9	0.27	ug/L		04/11/25 14:01	04/16/25 22:47	1
Pyridine	ND	*-	9.9	0.63	ug/L		04/11/25 14:01	04/16/25 22:47	1
Quinoline	ND	*-	9.9	0.49	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/11/25 14:01	04/16/25 22:47	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/11/25 14:01	04/16/25 22:47	1

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW11-ROX-040725
Lab Sample ID: 400-273857-5
Date Collected: 04/07/25 13:20
Matrix: Water
Date Received: 04/08/25 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
Terphenyl-d14	*84*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
2-Fluorophenol	*96*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
Phenol-d5	*38*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
Terphenyl-d14	*84*		*43 - 147*	*04/11/25 14:01*	*04/16/25 22:47*	*1*
2,4,6-Tribromophenol	*82*		*10 - 150*	*04/11/25 14:01*	*04/16/25 22:47*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/10/25 10:51	04/10/25 19:09	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/10/25 10:51	04/10/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*72*		*51 - 149*	*04/10/25 10:51*	*04/10/25 19:09*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
I	Value is EMPC (estimated maximum possible concentration).
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: 400-273857-1

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)
400-273857-1	TB-ROX-040725-8260	91	108	93
400-273857-3	MW10-ROX-040725	89	111	91
400-273857-3 MS	MW10-ROX-040725	89	105	94
400-273857-3 MSD	MW10-ROX-040725	90	107	94
400-273857-4	MW27-ROX-040725	91	110	93
400-273857-5	MW11-ROX-040725	91	111	94
LCS 400-706092/1002	Lab Control Sample	85	108	93
MB 400-706092/4	Method Blank	90	109	93

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	2FP	NBZ	NBZ	PHL	TPHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(10-150)	(50-150)	(50-150)	(10-150)	(43-147)	(43-147)
400-273857-3	MW10-ROX-040725	77	77	99	85	85	41	79	79
400-273857-3 MS	MW10-ROX-040725	65	65	94	74	74	47	68	68
400-273857-3 MSD	MW10-ROX-040725	67	67	90	74	74	44	64	64
400-273857-4	MW27-ROX-040725	77	77	8 S1-	71	71	19	74	74
400-273857-5	MW11-ROX-040725	77	77	96	83	83	38	84	84
LCS 400-705461/2-A	Lab Control Sample	66	66	90	79	79	49	70	70
LCS 400-705461/3-A	Lab Control Sample	76	76	107	92	92	46	84	84
LCSD 400-705461/4-A	Lab Control Sample Dup	79	79	107	89	89	41	89	89
MB 400-705461/1-A	Method Blank	79	79	99	87	87	50	87	87

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-273857-3	MW10-ROX-040725	85
400-273857-3 MS	MW10-ROX-040725	82
400-273857-3 MSD	MW10-ROX-040725	73
400-273857-4	MW27-ROX-040725	17
400-273857-5	MW11-ROX-040725	82
LCS 400-705461/2-A	Lab Control Sample	90
LCS 400-705461/3-A	Lab Control Sample	99
LCSD 400-705461/4-A	Lab Control Sample Dup	95
MB 400-705461/1-A	Method Blank	86

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1									
Lab Sample ID	Client Sample ID	(51-149)									
400-273857-2	TB-ROX-040725-8011	71									
400-273857-3	MW10-ROX-040725	71									
400-273857-3 MS	MW10-ROX-040725	61									
400-273857-3 MSD	MW10-ROX-040725	55									
400-273857-4	MW27-ROX-040725	77									
400-273857-5	MW11-ROX-040725	72									
LCS 400-705256/2-A	Lab Control Sample	82									
LCSD 400-705256/3-A	Lab Control Sample Dup	79									
MB 400-705256/1-A	Method Blank	107									

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040725-8260
Lab Sample ID: 400-273857-1
Date Collected: 04/07/25 00:00
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 16:12	CAR	EET PEN

Client Sample ID: TB-ROX-040725-8011
Lab Sample ID: 400-273857-2
Date Collected: 04/07/25 00:00
Matrix: Water
Date Received: 04/08/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.6 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 17:23	KR	EET PEN

Client Sample ID: MW10-ROX-040725
Lab Sample ID: 400-273857-3
Date Collected: 04/07/25 10:15
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 13:07	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 20:44	LWL	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 20:44	JAW	EET PEN
Total/NA	Prep	8011			32.3 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 17:44	KR	EET PEN

Client Sample ID: MW27-ROX-040725
Lab Sample ID: 400-273857-4
Date Collected: 04/07/25 12:00
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 19:17	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	706203	04/17/25 21:13	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		5	0.4 mL	0.4 mL	706204	04/17/25 21:13	JAW	EET PEN
Total/NA	Prep	8011			34.1 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 18:48	KR	EET PEN

Client Sample ID: MW11-ROX-040725
Lab Sample ID: 400-273857-5
Date Collected: 04/07/25 13:20
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 19:43	CAR	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 22:47	LWL	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW11-ROX-040725
Lab Sample ID: 400-273857-5
Date Collected: 04/07/25 13:20
Matrix: Water
Date Received: 04/08/25 09:00

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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 22:47	JAW	EET PEN
Total/NA	Prep	8011			33.6 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 19:09	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705256/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 13:28	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705461/1-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 18:09	LWL	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 18:09	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706092/4
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	706092	04/17/25 11:48	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705256/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 13:49	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705461/2-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 18:40	LWL	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705461/2-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 18:40	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705461/3-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 19:11	LWL	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706092/1002
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	706092	04/17/25 10:37	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705256/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 14:11	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705461/4-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	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 19:42	LWL	EET PEN

Client Sample ID: MW10-ROX-040725
Lab Sample ID: 400-273857-3 MS
Date Collected: 04/07/25 10:15
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 14:26	CAR	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 21:15	LWL	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 21:15	JAW	EET PEN
Total/NA	Prep	8011			33.6 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 18:06	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-273857-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW10-ROX-040725
Lab Sample ID: 400-273857-3 MSD

Date Collected: 04/07/25 10:15
Matrix: Water
Date Received: 04/08/25 09:00

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	706092	04/17/25 14:52	CAR	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706013	04/16/25 21:46	LWL	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	705461	04/11/25 14:01	RAW	EET PEN
Total/NA	Analysis	8270E		1			706014	04/16/25 21:46	JAW	EET PEN
Total/NA	Prep	8011			31.6 mL	35 mL	705256	04/10/25 10:51	KR	EET PEN
Total/NA	Analysis	8011		1			705277	04/10/25 18:27	KR	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: 400-273857-1

GC/MS VOA

Analysis Batch: 706092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-1	TB-ROX-040725-8260	Total/NA	Water	8260D	
400-273857-3	MW10-ROX-040725	Total/NA	Water	8260D	
400-273857-4	MW27-ROX-040725	Total/NA	Water	8260D	
400-273857-5	MW11-ROX-040725	Total/NA	Water	8260D	
MB 400-706092/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706092/1002	Lab Control Sample	Total/NA	Water	8260D	
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	8260D	
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 705461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-3	MW10-ROX-040725	Total/NA	Water	3511	
400-273857-4	MW27-ROX-040725	Total/NA	Water	3511	
400-273857-5	MW11-ROX-040725	Total/NA	Water	3511	
MB 400-705461/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-705461/3-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-705461/4-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	3511	
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	3511	

Analysis Batch: 706013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-3	MW10-ROX-040725	Total/NA	Water	8270E	705461
400-273857-5	MW11-ROX-040725	Total/NA	Water	8270E	705461
MB 400-705461/1-A	Method Blank	Total/NA	Water	8270E	705461
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	8270E	705461
LCS 400-705461/3-A	Lab Control Sample	Total/NA	Water	8270E	705461
LCSD 400-705461/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	705461
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	8270E	705461
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	8270E	705461

Analysis Batch: 706014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-3	MW10-ROX-040725	Total/NA	Water	8270E	705461
400-273857-5	MW11-ROX-040725	Total/NA	Water	8270E	705461
MB 400-705461/1-A	Method Blank	Total/NA	Water	8270E	705461
LCS 400-705461/2-A	Lab Control Sample	Total/NA	Water	8270E	705461
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	8270E	705461
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	8270E	705461

Analysis Batch: 706203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-4	MW27-ROX-040725	Total/NA	Water	8270E	705461

Analysis Batch: 706204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-4	MW27-ROX-040725	Total/NA	Water	8270E	705461

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-273857-1

GC Semi VOA

Prep Batch: 705256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-2	TB-ROX-040725-8011	Total/NA	Water	8011	
400-273857-3	MW10-ROX-040725	Total/NA	Water	8011	
400-273857-4	MW27-ROX-040725	Total/NA	Water	8011	
400-273857-5	MW11-ROX-040725	Total/NA	Water	8011	
MB 400-705256/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-705256/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-705256/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	8011	
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	8011	

Analysis Batch: 705277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-273857-2	TB-ROX-040725-8011	Total/NA	Water	8011	705256
400-273857-3	MW10-ROX-040725	Total/NA	Water	8011	705256
400-273857-4	MW27-ROX-040725	Total/NA	Water	8011	705256
400-273857-5	MW11-ROX-040725	Total/NA	Water	8011	705256
MB 400-705256/1-A	Method Blank	Total/NA	Water	8011	705256
LCS 400-705256/2-A	Lab Control Sample	Total/NA	Water	8011	705256
LCSD 400-705256/3-A	Lab Control Sample Dup	Total/NA	Water	8011	705256
400-273857-3 MS	MW10-ROX-040725	Total/NA	Water	8011	705256
400-273857-3 MSD	MW10-ROX-040725	Total/NA	Water	8011	705256

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

Lab Sample ID: MB 400-706092/4
Matrix: Water
Analysis Batch: 706092

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/17/25 11:48	1
Acrolein	ND		20	3.3	ug/L			04/17/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			04/17/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			04/17/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/17/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			04/17/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			04/17/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/17/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/17/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/17/25 11:48	1
Chloroethane	ND		1.0	0.76	ug/L			04/17/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/17/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			04/17/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/17/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			04/17/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/17/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/17/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/17/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/17/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/17/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/17/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/17/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/17/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/17/25 11:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/17/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/17/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			04/17/25 11:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/17/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			04/17/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/17/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/17/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/17/25 11:48	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/17/25 11:48	1
Naphthalene	ND		5.0	3.0	ug/L			04/17/25 11:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/17/25 11:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/17/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/17/25 11:48	1
o-Xylene	ND		5.0	3.0	ug/L			04/17/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/17/25 11:48	1

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

Lab Sample ID: MB 400-706092/4
Matrix: Water
Analysis Batch: 706092

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/17/25 11:48	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/17/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			04/17/25 11:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/17/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/17/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/17/25 11:48	1
Toluene	ND		1.0	0.90	ug/L			04/17/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/17/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/17/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/17/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/17/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/17/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/17/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			04/17/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/17/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/17/25 11:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/17/25 11:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/17/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			04/17/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/17/25 11:48	1
Xylenes, Total	ND		10	6.0	ug/L			04/17/25 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/17/25 11:48*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*04/17/25 11:48*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/17/25 11:48*	*1*

Lab Sample ID: LCS 400-706092/1002
Matrix: Water
Analysis Batch: 706092

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	281		ug/L		141	43 - 150
Acrolein	500	487		ug/L		97	38 - 150
Acrylonitrile	500	559		ug/L		112	64 - 142
Benzene	50.0	51.5		ug/L		103	70 - 130
Bromobenzene	50.0	50.9		ug/L		102	70 - 132
Bromochloromethane	50.0	54.5		ug/L		109	70 - 130
Bromodichloromethane	50.0	53.0		ug/L		106	67 - 133
Bromoform	50.0	44.0		ug/L		88	57 - 140
Bromomethane	50.0	46.8		ug/L		94	10 - 150
2-Butanone (MEK)	200	240		ug/L		120	61 - 145
Carbon disulfide	50.0	48.3		ug/L		97	61 - 137
Carbon tetrachloride	50.0	54.3		ug/L		109	61 - 137
Chlorobenzene	50.0	50.5		ug/L		101	70 - 130
Chloroethane	50.0	46.5		ug/L		93	55 - 141
2-Chloroethyl vinyl ether	50.0	41.9		ug/L		84	10 - 150

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

Lab Sample ID: LCS 400-706092/1002
Matrix: Water
Analysis Batch: 706092

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	53.3		ug/L		107	69 - 130
1-Chlorohexane	50.0	59.7		ug/L		119	69 - 130
Chloromethane	50.0	43.1		ug/L		86	58 - 137
cis-1,2-Dichloroethene	50.0	56.8		ug/L		114	68 - 130
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	69 - 132
Dibromochloromethane	50.0	50.4		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	67 - 130
1,3-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	37.2		ug/L		74	41 - 146
1,1-Dichloroethane	50.0	53.8		ug/L		108	70 - 130
1,2-Dichloroethane	50.0	58.7		ug/L		117	69 - 130
1,1-Dichloroethene	50.0	51.1		ug/L		102	63 - 134
1,2-Dichloropropane	50.0	55.6		ug/L		111	70 - 130
1,3-Dichloropropane	50.0	48.7		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	47.8		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.4		ug/L		105	70 - 130
Ethylbenzene	50.0	50.0		ug/L		100	70 - 130
Ethyl methacrylate	50.0	44.9		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	57.7		ug/L		115	53 - 140
2-Hexanone	200	255		ug/L		128	65 - 137
Isopropylbenzene	50.0	52.3		ug/L		105	70 - 130
Methylene bromide	50.0	52.7		ug/L		105	70 - 130
Methylene Chloride	50.0	51.4		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	236		ug/L		118	69 - 138
Methyl tert-butyl ether	50.0	49.0		ug/L		98	66 - 130
m-Xylene & p-Xylene	50.0	49.6		ug/L		99	70 - 130
Naphthalene	50.0	44.6		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.1		ug/L		88	67 - 130
N-Propylbenzene	50.0	48.4		ug/L		97	70 - 130
o-Chlorotoluene	50.0	40.8		ug/L		82	70 - 130
o-Xylene	50.0	49.4		ug/L		99	70 - 130
p-Chlorotoluene	50.0	45.4		ug/L		91	70 - 130
p-Isopropyltoluene	50.0	48.4		ug/L		97	65 - 130
sec-Butylbenzene	50.0	48.3		ug/L		97	66 - 130
Styrene	50.0	52.2		ug/L		104	70 - 130
tert-Butylbenzene	50.0	44.8		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.9		ug/L		82	70 - 131
Tetrachloroethene	50.0	52.9		ug/L		106	65 - 130
Toluene	50.0	47.0		ug/L		94	70 - 130
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	63 - 130
1,2,3-Trichlorobenzene	50.0	53.2		ug/L		106	60 - 138
1,2,4-Trichlorobenzene	50.0	55.3		ug/L		111	60 - 140
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	68 - 130
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
Trichloroethene	50.0	55.7		ug/L		111	70 - 130
Trichlorofluoromethane	50.0	50.1		ug/L		100	65 - 138

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

Lab Sample ID: LCS 400-706092/1002
Matrix: Water
Analysis Batch: 706092

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	42.6		ug/L		85	70 - 130
1,2,4-Trimethylbenzene	50.0	47.7		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	50.0	46.5		ug/L		93	69 - 130
Vinyl acetate	100	82.6		ug/L		83	26 - 150
Vinyl chloride	50.0	41.7		ug/L		83	59 - 136
Xylenes, Total	100	99.1		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 706092

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		200	94.3		ug/L		47	43 - 150
Acrolein	ND		500	499		ug/L		100	38 - 150
Acrylonitrile	ND		500	564		ug/L		113	62 - 149
Benzene	ND		50.0	54.6		ug/L		109	56 - 142
Bromobenzene	ND		50.0	58.7		ug/L		117	59 - 136
Bromochloromethane	ND		50.0	57.3		ug/L		115	64 - 140
Bromodichloromethane	ND		50.0	55.1		ug/L		110	59 - 143
Bromoform	ND		50.0	48.9		ug/L		98	50 - 140
Bromomethane	ND		50.0	48.2		ug/L		96	10 - 150
2-Butanone (MEK)	ND		200	131		ug/L		65	55 - 150
Carbon disulfide	ND		50.0	51.3		ug/L		103	48 - 150
Carbon tetrachloride	ND		50.0	56.0		ug/L		112	55 - 145
Chlorobenzene	ND		50.0	54.5		ug/L		109	64 - 130
Chloroethane	ND		50.0	48.6		ug/L		97	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	55.7		ug/L		111	60 - 141
1-Chlorohexane	ND		50.0	62.8		ug/L		126	56 - 136
Chloromethane	ND		50.0	44.9		ug/L		90	49 - 148
cis-1,2-Dichloroethene	ND		50.0	58.9		ug/L		118	59 - 143
cis-1,3-Dichloropropene	ND		50.0	54.3		ug/L		109	57 - 140
Dibromochloromethane	ND		50.0	53.0		ug/L		106	56 - 143
1,2-Dichlorobenzene	ND		50.0	58.2		ug/L		116	52 - 137
1,3-Dichlorobenzene	ND		50.0	57.9		ug/L		116	54 - 135
1,4-Dichlorobenzene	ND		50.0	57.7		ug/L		115	53 - 135
Dichlorodifluoromethane	ND		50.0	38.8		ug/L		78	16 - 150
1,1-Dichloroethane	ND		50.0	56.3		ug/L		113	61 - 144
1,2-Dichloroethane	ND		50.0	59.2		ug/L		118	60 - 141
1,1-Dichloroethene	ND		50.0	53.2		ug/L		106	54 - 147
1,2-Dichloropropane	ND		50.0	57.7		ug/L		115	66 - 137
1,3-Dichloropropane	ND		50.0	52.1		ug/L		104	66 - 133
2,2-Dichloropropane	ND		50.0	49.9		ug/L		100	42 - 144

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

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 706092

Client Sample ID: MW10-ROX-040725
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	55.0		ug/L		110	65 - 136
Ethylbenzene	ND		50.0	54.1		ug/L		108	58 - 131
Ethyl methacrylate	ND		50.0	48.4		ug/L		97	64 - 130
Hexachlorobutadiene	ND		50.0	68.8		ug/L		138	31 - 149
2-Hexanone	ND		200	151		ug/L		76	65 - 140
Isopropylbenzene	ND		50.0	57.1		ug/L		114	56 - 133
Methylene bromide	ND		50.0	54.6		ug/L		109	63 - 138
Methylene Chloride	ND		50.0	54.5		ug/L		109	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	220		ug/L		110	63 - 146
Methyl tert-butyl ether	ND		50.0	50.9		ug/L		102	59 - 137
m-Xylene & p-Xylene	ND		50.0	53.7		ug/L		107	57 - 130
Naphthalene	ND		50.0	51.8		ug/L		104	25 - 150
n-Butylbenzene	ND		50.0	50.8		ug/L		102	41 - 142
N-Propylbenzene	ND		50.0	55.9		ug/L		112	51 - 138
o-Chlorotoluene	ND		50.0	47.7		ug/L		95	53 - 134
o-Xylene	ND		50.0	54.0		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	52.7		ug/L		105	54 - 133
p-Isopropyltoluene	ND		50.0	56.4		ug/L		113	48 - 139
sec-Butylbenzene	ND		50.0	56.6		ug/L		113	50 - 138
Styrene	ND		50.0	56.6		ug/L		113	58 - 131
tert-Butylbenzene	ND		50.0	51.6		ug/L		103	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.1		ug/L		110	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	45.9		ug/L		92	66 - 135
Tetrachloroethene	ND		50.0	55.8		ug/L		112	52 - 133
Toluene	ND		50.0	51.0		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	53.3		ug/L		107	61 - 143
trans-1,3-Dichloropropene	ND		50.0	50.8		ug/L		102	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	62.4		ug/L		125	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	64.1		ug/L		128	39 - 148
1,1,1-Trichloroethane	ND		50.0	54.0		ug/L		108	57 - 142
1,1,2-Trichloroethane	ND		50.0	51.0		ug/L		102	66 - 131
Trichloroethene	ND		50.0	58.5		ug/L		117	64 - 136
Trichlorofluoromethane	ND		50.0	50.4		ug/L		101	54 - 150
1,2,3-Trichloropropane	ND		50.0	47.4		ug/L		95	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	54.9		ug/L		110	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	53.8		ug/L		108	52 - 135
Vinyl acetate	ND		100	88.7		ug/L		89	26 - 150
Vinyl chloride	ND		50.0	44.6		ug/L		89	46 - 150
Xylenes, Total	ND		100	108		ug/L		108	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*105*		*79 - 130*
Toluene-d8 (Surr)	*94*		*64 - 132*

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

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 706092

Client Sample ID: MW10-ROX-040725
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	93.2		ug/L		47	43 - 150	1	30
Acrolein	ND		500	501		ug/L		100	38 - 150	0	31
Acrylonitrile	ND		500	554		ug/L		111	62 - 149	2	30
Benzene	ND		50.0	53.5		ug/L		107	56 - 142	2	30
Bromobenzene	ND		50.0	58.5		ug/L		117	59 - 136	0	30
Bromochloromethane	ND		50.0	55.5		ug/L		111	64 - 140	3	30
Bromodichloromethane	ND		50.0	54.4		ug/L		109	59 - 143	1	30
Bromoform	ND		50.0	48.7		ug/L		97	50 - 140	0	30
Bromomethane	ND		50.0	48.2		ug/L		96	10 - 150	0	50
2-Butanone (MEK)	ND		200	129		ug/L		64	55 - 150	2	30
Carbon disulfide	ND		50.0	51.0		ug/L		102	48 - 150	1	30
Carbon tetrachloride	ND		50.0	54.9		ug/L		110	55 - 145	2	30
Chlorobenzene	ND		50.0	53.3		ug/L		107	64 - 130	2	30
Chloroethane	ND		50.0	48.2		ug/L		96	50 - 150	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	54.8		ug/L		110	60 - 141	2	30
1-Chlorohexane	ND		50.0	61.9		ug/L		124	56 - 136	1	30
Chloromethane	ND		50.0	45.2		ug/L		90	49 - 148	1	31
cis-1,2-Dichloroethene	ND		50.0	58.1		ug/L		116	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	53.6		ug/L		107	57 - 140	1	30
Dibromochloromethane	ND		50.0	51.6		ug/L		103	56 - 143	3	30
1,2-Dichlorobenzene	ND		50.0	57.3		ug/L		115	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	57.7		ug/L		115	54 - 135	0	30
1,4-Dichlorobenzene	ND		50.0	56.9		ug/L		114	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	38.9		ug/L		78	16 - 150	0	31
1,1-Dichloroethane	ND		50.0	55.5		ug/L		111	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	57.9		ug/L		116	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	52.4		ug/L		105	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	57.2		ug/L		114	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	51.0		ug/L		102	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	48.8		ug/L		98	42 - 144	2	31
1,1-Dichloropropene	ND		50.0	54.2		ug/L		108	65 - 136	1	30
Ethylbenzene	ND		50.0	52.9		ug/L		106	58 - 131	2	30
Ethyl methacrylate	ND		50.0	47.5		ug/L		95	64 - 130	2	30
Hexachlorobutadiene	ND		50.0	69.2		ug/L		138	31 - 149	1	36
2-Hexanone	ND		200	147		ug/L		73	65 - 140	3	30
Isopropylbenzene	ND		50.0	56.1		ug/L		112	56 - 133	2	30
Methylene bromide	ND		50.0	54.0		ug/L		108	63 - 138	1	30
Methylene Chloride	ND		50.0	54.0		ug/L		108	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	214		ug/L		107	63 - 146	3	30
Methyl tert-butyl ether	ND		50.0	50.5		ug/L		101	59 - 137	1	30
m-Xylene & p-Xylene	ND		50.0	52.8		ug/L		106	57 - 130	2	30
Naphthalene	ND		50.0	50.7		ug/L		101	25 - 150	2	30
n-Butylbenzene	ND		50.0	50.3		ug/L		101	41 - 142	1	31
N-Propylbenzene	ND		50.0	55.4		ug/L		111	51 - 138	1	30
o-Chlorotoluene	ND		50.0	46.7		ug/L		93	53 - 134	2	30
o-Xylene	ND		50.0	52.9		ug/L		106	61 - 130	2	30
p-Chlorotoluene	ND		50.0	51.9		ug/L		104	54 - 133	2	30

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

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 706092

Client Sample ID: MW10-ROX-040725
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	55.9		ug/L		112	48 - 139	1	30
sec-Butylbenzene	ND		50.0	55.7		ug/L		111	50 - 138	1	30
Styrene	ND		50.0	55.3		ug/L		111	58 - 131	2	30
tert-Butylbenzene	ND		50.0	51.4		ug/L		103	54 - 146	0	30
1,1,1,2-Tetrachloroethane	ND		50.0	54.2		ug/L		108	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	45.7		ug/L		91	66 - 135	0	30
Tetrachloroethene	ND		50.0	54.4		ug/L		109	52 - 133	3	30
Toluene	ND		50.0	49.7		ug/L		99	65 - 130	3	30
trans-1,2-Dichloroethene	ND		50.0	52.1		ug/L		104	61 - 143	2	30
trans-1,3-Dichloropropene	ND		50.0	50.0		ug/L		100	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	61.1		ug/L		122	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	62.2		ug/L		124	39 - 148	3	30
1,1,1-Trichloroethane	ND		50.0	53.4		ug/L		107	57 - 142	1	30
1,1,2-Trichloroethane	ND		50.0	49.9		ug/L		100	66 - 131	2	30
Trichloroethene	ND		50.0	57.5		ug/L		115	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	50.0		ug/L		100	54 - 150	1	30
1,2,3-Trichloropropane	ND		50.0	47.6		ug/L		95	65 - 133	0	30
1,2,4-Trimethylbenzene	ND		50.0	54.7		ug/L		109	50 - 139	0	30
1,3,5-Trimethylbenzene	ND		50.0	53.4		ug/L		107	52 - 135	1	30
Vinyl acetate	ND		100	89.3		ug/L		89	26 - 150	1	33
Vinyl chloride	ND		50.0	44.2		ug/L		88	46 - 150	1	30
Xylenes, Total	ND		100	106		ug/L		106	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*94*		*64 - 132*

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/11/25 14:01	04/16/25 18:09	1
Aniline	ND		10	0.74	ug/L		04/11/25 14:01	04/16/25 18:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzenethiol	ND		10	0.060	ug/L		04/11/25 14:01	04/16/25 18:09	1
Anthracene	ND		0.20	0.073	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzoic acid	ND		30	24	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzyl alcohol	ND		10	1.9	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/11/25 14:01	04/16/25 18:09	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/11/25 14:01	04/16/25 18:09	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/11/25 14:01	04/16/25 18:09	1

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/11/25 14:01	04/16/25 18:09	1
Chrysene	ND		0.20	0.039	ug/L		04/11/25 14:01	04/16/25 18:09	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chloroaniline	ND		10	0.28	ug/L		04/11/25 14:01	04/16/25 18:09	1
Fluoranthene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/11/25 14:01	04/16/25 18:09	1
Fluorene	ND		0.20	0.087	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Chlorophenol	ND		10	0.22	ug/L		04/11/25 14:01	04/16/25 18:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/11/25 14:01	04/16/25 18:09	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dibenzofuran	ND		10	0.15	ug/L		04/11/25 14:01	04/16/25 18:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/11/25 14:01	04/16/25 18:09	1
Phenanthrene	ND		0.20	0.044	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pyrene	ND		0.20	0.040	ug/L		04/11/25 14:01	04/16/25 18:09	1
Diethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/11/25 14:01	04/16/25 18:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/11/25 14:01	04/16/25 18:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/11/25 14:01	04/16/25 18:09	1
1,4-Dioxane	ND		10	0.070	ug/L		04/11/25 14:01	04/16/25 18:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/11/25 14:01	04/16/25 18:09	1
Hexachloroethane	ND		10	0.53	ug/L		04/11/25 14:01	04/16/25 18:09	1
Indene	ND		10	0.44	ug/L		04/11/25 14:01	04/16/25 18:09	1
Isophorone	ND		10	0.80	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Methylphenol	ND		10	0.30	ug/L		04/11/25 14:01	04/16/25 18:09	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Nitroaniline	ND		10	1.4	ug/L		04/11/25 14:01	04/16/25 18:09	1
3-Nitroaniline	ND		10	0.95	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Nitroaniline	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 18:09	1
Nitrobenzene	ND		10	0.60	ug/L		04/11/25 14:01	04/16/25 18:09	1
2-Nitrophenol	ND		10	1.2	ug/L		04/11/25 14:01	04/16/25 18:09	1
4-Nitrophenol	ND		10	2.7	ug/L		04/11/25 14:01	04/16/25 18:09	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/11/25 14:01	04/16/25 18:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/11/25 14:01	04/16/25 18:09	1

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

Lab Sample ID: MB 400-705461/1-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pentachlorophenol	ND		10	0.41	ug/L		04/11/25 14:01	04/16/25 18:09	1
Phenol	ND		10	0.27	ug/L		04/11/25 14:01	04/16/25 18:09	1
Pyridine	ND		10	0.64	ug/L		04/11/25 14:01	04/16/25 18:09	1
Quinoline	ND		10	0.50	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/11/25 14:01	04/16/25 18:09	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/11/25 14:01	04/16/25 18:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2-Fluorophenol	*99*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Phenol-d5	*50*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/11/25 14:01*	*04/16/25 18:09*	*1*
2,4,6-Tribromophenol	*86*		*10 - 150*	*04/11/25 14:01*	*04/16/25 18:09*	*1*

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.5		ug/L		58	44 - 122
Aniline	25.0	11.8		ug/L		47	10 - 150
Acenaphthylene	25.0	14.7		ug/L		59	42 - 125
Anthracene	25.0	15.4		ug/L		61	51 - 136
Benzoic acid	4290	262	E *-	ug/L		6	10 - 180
Benzo[a]anthracene	25.0	16.0		ug/L		64	50 - 138
Benzo[a]pyrene	25.0	14.9		ug/L		60	53 - 134
Bis(2-chloroethoxy)methane	25.0	18.6		ug/L		75	60 - 123
Benzo[b]fluoranthene	25.0	16.5		ug/L		66	50 - 134
Bis(2-chloroethyl)ether	25.0	14.8		ug/L		59	45 - 127
Benzo[g,h,i]perylene	25.0	15.1		ug/L		60	42 - 138
bis (2-chloroisopropyl) ether	25.0	14.9		ug/L		59	10 - 150
Benzo[k]fluoranthene	25.0	15.3		ug/L		61	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	18.6		ug/L		74	10 - 147
4-Bromophenyl phenyl ether	25.0	14.3		ug/L		57	50 - 126
Chrysene	25.0	15.3		ug/L		61	53 - 141
Butyl benzyl phthalate	25.0	21.1		ug/L		84	36 - 137
Dibenz(a,h)anthracene	25.0	15.2		ug/L		61	41 - 139
4-Chloroaniline	25.0	14.6		ug/L		58	10 - 150
Fluoranthene	25.0	16.5		ug/L		66	49 - 141
4-Chloro-3-methylphenol	25.0	19.1		ug/L		76	14 - 150
Fluorene	25.0	14.9		ug/L		60	41 - 136
2-Chloronaphthalene	25.0	40.5	*+	ug/L		162	44 - 122
2-Chlorophenol	25.0	15.1		ug/L		60	10 - 150

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

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	25.0	15.2		ug/L		61	30 - 150
1-Methylnaphthalene	25.0	14.6		ug/L		59	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.2		ug/L		57	51 - 125
2-Methylnaphthalene	25.0	15.0		ug/L		60	31 - 115
Dibenz[a,h]acridine	998	31.3	*-	ug/L		3	50 - 150
Dibenzofuran	25.0	15.1		ug/L		60	55 - 125
3,3'-Dichlorobenzidine	33.3	21.7		ug/L		65	10 - 150
Phenanthrene	25.0	15.2		ug/L		61	50 - 133
2,4-Dichlorophenol	25.0	17.5		ug/L		70	11 - 150
Pyrene	25.0	16.7		ug/L		67	46 - 149
Diethyl phthalate	25.0	18.4		ug/L		74	61 - 130
2,4-Dimethylphenol	25.0	8.15	J	ug/L		33	5 - 150
Dimethyl phthalate	25.0	19.4		ug/L		78	55 - 139
Di-n-butyl phthalate	25.0	19.2		ug/L		77	50 - 150
4,6-Dinitro-ortho-cresol	50.0	42.2		ug/L		84	10 - 150
2,4-Dinitrophenol	50.0	45.3		ug/L		91	10 - 150
2,4-Dinitrotoluene	25.0	17.5		ug/L		70	46 - 137
2,6-Dinitrotoluene	25.0	18.7		ug/L		75	35 - 150
Di-n-octyl phthalate	25.0	19.0		ug/L		76	10 - 150
1,4-Dioxane	25.0	14.0		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.3	I	ug/L		61	49 - 125
Hexachlorobenzene	25.0	15.4		ug/L		62	53 - 126
Hexachlorocyclopentadiene	25.0	18.7	J	ug/L		75	10 - 150
Hexachloroethane	25.0	12.8		ug/L		51	10 - 112
Indene	1000	26.8	*-	ug/L		3	50 - 150
Isophorone	25.0	14.6		ug/L		58	51 - 125
2-Methylphenol	25.0	17.4		ug/L		69	42 - 120
3 & 4 Methylphenol	25.0	14.4	J	ug/L		58	10 - 150
2-Nitroaniline	25.0	18.3		ug/L		73	10 - 150
3-Nitroaniline	25.0	20.5		ug/L		82	10 - 150
4-Nitroaniline	25.0	23.8		ug/L		95	10 - 144
Nitrobenzene	25.0	15.9		ug/L		64	57 - 138
2-Nitrophenol	25.0	19.8		ug/L		79	21 - 150
4-Nitrophenol	50.0	40.5		ug/L		81	10 - 150
N-Nitrosodimethylamine	25.0	15.4		ug/L		61	10 - 136
N-Nitrosodi-n-propylamine	25.0	15.8		ug/L		63	53 - 134
N-Nitrosodiphenylamine	24.8	15.5		ug/L		62	62 - 132
Pentachlorophenol	50.0	51.9		ug/L		104	16 - 150
Phenol	25.0	17.8		ug/L		71	10 - 150
Quinoline	998	26.8	*-	ug/L		3	50 - 150
2,4,5-Trichlorophenol	25.0	17.2		ug/L		69	10 - 150
2,4,6-Trichlorophenol	25.0	18.2		ug/L		73	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*15 - 150*
Nitrobenzene-d5	*79*		*50 - 150*
Terphenyl-d14	*70*		*43 - 147*

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

Lab Sample ID: LCS 400-705461/2-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	66		15 - 150
2-Fluorophenol	90		10 - 150
Nitrobenzene-d5	79		50 - 150
Phenol-d5	49		10 - 150
Terphenyl-d14	70		43 - 147
2,4,6-Tribromophenol	90		10 - 150

Lab Sample ID: LCS 400-705461/3-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	26.3		ug/L		53	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	76		15 - 150
2-Fluorophenol	107		10 - 150
Nitrobenzene-d5	92		50 - 150
Phenol-d5	46		10 - 150
Terphenyl-d14	84		43 - 147
2,4,6-Tribromophenol	99		10 - 150

Lab Sample ID: LCSD 400-705461/4-A
Matrix: Water
Analysis Batch: 706013

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705461

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	24.8		ug/L		50	10 - 150	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	79		15 - 150
2-Fluorophenol	107		10 - 150
Nitrobenzene-d5	89		50 - 150
Phenol-d5	41		10 - 150
Terphenyl-d14	89		43 - 147
2,4,6-Tribromophenol	95		10 - 150

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 706014

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		24.7	13.8		ug/L		56	50 - 150		
Aniline	ND	F1	24.7	8.98	J F1	ug/L		36	50 - 150		
Acenaphthylene	ND		24.7	13.9		ug/L		56	50 - 150		
Anthracene	ND		24.7	14.8		ug/L		60	50 - 150		
Benzoic acid	ND	F1 *-	4230	315	E F1	ug/L		7	50 - 150		
Benzo[a]anthracene	ND		24.7	14.7		ug/L		60	50 - 150		

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

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 706013

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzyl alcohol	ND	F1 *-	24.7	ND	F1	ug/L		0	50 - 150
Benzo[a]pyrene	ND	F1	24.7	12.8		ug/L		52	50 - 150
Bis(2-chloroethoxy)methane	ND		24.7	18.1		ug/L		73	50 - 150
Benzo[b]fluoranthene	ND		24.7	14.5		ug/L		59	50 - 150
Bis(2-chloroethyl)ether	ND		24.7	14.5		ug/L		59	50 - 150
Benzo[g,h,i]perylene	ND	F1	24.7	10.2	F1	ug/L		41	50 - 150
bis (2-chloroisopropyl) ether	ND		24.7	14.5		ug/L		59	50 - 150
Benzo[k]fluoranthene	ND		24.7	13.2		ug/L		54	50 - 150
Bis(2-ethylhexyl) phthalate	ND		24.7	13.0		ug/L		53	50 - 150
4-Bromophenyl phenyl ether	ND		24.7	13.8		ug/L		56	50 - 150
Chrysene	ND		24.7	14.1		ug/L		57	50 - 150
Butyl benzyl phthalate	ND		24.7	20.9		ug/L		85	50 - 150
Dibenz(a,h)anthracene	ND	F1	24.7	11.3	F1	ug/L		46	50 - 150
4-Chloroaniline	ND		24.7	13.9		ug/L		56	50 - 150
Fluoranthene	ND		24.7	16.0		ug/L		65	50 - 150
4-Chloro-3-methylphenol	ND		24.7	18.2		ug/L		74	50 - 150
Fluorene	ND		24.7	14.0		ug/L		57	50 - 150
2-Chloronaphthalene	ND	F1 *+	24.7	36.1		ug/L		146	50 - 150
2-Chlorophenol	ND		24.7	14.9		ug/L		60	50 - 150
Indeno[1,2,3-cd]pyrene	ND	F1	24.7	10.3	F1	ug/L		42	50 - 150
1-Methylnaphthalene	ND		24.7	14.3		ug/L		58	50 - 150
4-Chlorophenyl phenyl ether	ND		24.7	13.3		ug/L		54	50 - 150
2-Methylnaphthalene	ND		24.7	14.7		ug/L		59	50 - 150
Dibenz[a,h]acridine	ND	F1 *-	984	29.9	F1	ug/L		3	50 - 150
Dibenzofuran	ND		24.7	14.2		ug/L		58	50 - 150
3,3'-Dichlorobenzidine	ND		32.9	21.9		ug/L		67	50 - 150
Phenanthrene	ND		24.7	14.7		ug/L		60	50 - 150
2,4-Dichlorophenol	ND		24.7	17.0		ug/L		69	50 - 150
Pyrene	ND		24.7	16.2		ug/L		66	50 - 150
Diethyl phthalate	ND		24.7	17.8		ug/L		72	50 - 150
2,4-Dimethylphenol	ND	F2 F1	24.7	3.46	J F1	ug/L		14	50 - 150
Dimethyl phthalate	ND		24.7	18.6		ug/L		76	50 - 150
Di-n-butyl phthalate	ND		24.7	19.2		ug/L		78	50 - 150
4,6-Dinitro-ortho-cresol	ND		49.3	40.3		ug/L		82	50 - 150
2,4-Dinitrophenol	ND		49.3	44.8		ug/L		91	50 - 150
2,4-Dinitrotoluene	ND		24.7	16.5		ug/L		67	50 - 150
2,6-Dinitrotoluene	ND		24.7	18.1		ug/L		73	50 - 150
Di-n-octyl phthalate	ND		24.7	12.9		ug/L		52	50 - 150
1,4-Dioxane	ND		24.7	13.7		ug/L		55	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		24.7	14.3	I	ug/L		58	50 - 150
Hexachlorobenzene	ND		24.7	14.6		ug/L		59	50 - 150
Hexachlorocyclopentadiene	ND		24.7	19.4	J	ug/L		79	50 - 150
Hexachloroethane	ND		24.7	14.0		ug/L		57	50 - 150
Indene	ND	F1 *-	987	25.6	F1	ug/L		3	50 - 150
Isophorone	ND		24.7	14.1		ug/L		57	50 - 150
2-Methylphenol	ND		24.7	16.7		ug/L		68	50 - 150
3 & 4 Methylphenol	ND	F1	24.7	9.09	J F1	ug/L		37	50 - 150
2-Nitroaniline	ND		24.7	17.6		ug/L		71	50 - 150

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

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 706013

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3-Nitroaniline	ND		24.7	19.9		ug/L		81	50 - 150
4-Nitroaniline	ND		24.7	22.5		ug/L		91	50 - 150
Nitrobenzene	ND		24.7	15.5		ug/L		63	50 - 150
2-Nitrophenol	ND		24.7	18.8		ug/L		76	50 - 150
4-Nitrophenol	ND	F2 F1	49.3	32.3		ug/L		65	50 - 150
N-Nitrosodimethylamine	ND		24.7	14.9		ug/L		61	50 - 150
N-Nitrosodi-n-propylamine	ND		24.7	14.7		ug/L		60	50 - 150
N-Nitrosodiphenylamine	ND		24.5	14.4		ug/L		59	50 - 150
Pentachlorophenol	ND		49.3	44.2		ug/L		90	50 - 150
Phenol	ND		24.7	19.9		ug/L		81	50 - 150
Pyridine	ND	F1 *-	49.3	ND	F1	ug/L		0	50 - 150
Quinoline	ND	F1 *-	984	25.8	F1	ug/L		3	50 - 150
2,4,5-Trichlorophenol	ND		24.7	15.1		ug/L		61	50 - 150
2,4,6-Trichlorophenol	ND		24.7	16.8		ug/L		68	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*15 - 150*
Nitrobenzene-d5	*74*		*50 - 150*
Terphenyl-d14	*68*		*43 - 147*
2-Fluorobiphenyl	*65*		*15 - 150*
2-Fluorophenol	*94*		*10 - 150*
Nitrobenzene-d5	*74*		*50 - 150*
Phenol-d5	*47*		*10 - 150*
Terphenyl-d14	*68*		*43 - 147*
2,4,6-Tribromophenol	*82*		*10 - 150*

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 706014

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		25.2	14.1		ug/L		56	50 - 150	2	40
Aniline	ND	F1	25.2	7.03	J F1	ug/L		28	50 - 150	24	40
Acenaphthylene	ND		25.2	14.2		ug/L		56	50 - 150	2	40
Anthracene	ND		25.2	15.1		ug/L		60	50 - 150	2	40
Benzoic acid	ND	F1 *-	4320	314	E F1	ug/L		7	50 - 150	0	40
Benzo[a]anthracene	ND		25.2	14.2		ug/L		56	50 - 150	4	40
Benzyl alcohol	ND	F1 *-	25.2	ND	F1	ug/L		0	50 - 150	NC	40
Benzo[a]pyrene	ND	F1	25.2	12.4	F1	ug/L		49	50 - 150	3	40
Bis(2-chloroethoxy)methane	ND		25.2	18.1		ug/L		72	50 - 150	0	40
Benzo[b]fluoranthene	ND		25.2	13.9		ug/L		55	50 - 150	4	40
Bis(2-chloroethyl)ether	ND		25.2	15.0		ug/L		60	50 - 150	3	40
Benzo[g,h,i]perylene	ND	F1	25.2	9.87	F1	ug/L		39	50 - 150	3	40
bis (2-chloroisopropyl) ether	ND		25.2	14.8		ug/L		59	50 - 150	2	40
Benzo[k]fluoranthene	ND		25.2	12.8		ug/L		51	50 - 150	3	40
Bis(2-ethylhexyl) phthalate	ND		25.2	12.8		ug/L		51	50 - 150	1	40
4-Bromophenyl phenyl ether	ND		25.2	14.0		ug/L		56	50 - 150	1	40
Chrysene	ND		25.2	13.6		ug/L		54	50 - 150	4	40

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

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 706013

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Butyl benzyl phthalate	ND		25.2	20.5		ug/L		81	50 - 150	2	40
Dibenz(a,h)anthracene	ND	F1	25.2	10.2	F1	ug/L		41	50 - 150	10	40
4-Chloroaniline	ND		25.2	14.3		ug/L		57	50 - 150	3	40
Fluoranthene	ND		25.2	16.1		ug/L		64	50 - 150	0	40
4-Chloro-3-methylphenol	ND		25.2	15.7		ug/L		62	50 - 150	15	40
Fluorene	ND		25.2	14.4		ug/L		57	50 - 150	2	40
2-Chloronaphthalene	ND	F1 *+	25.2	38.6	F1	ug/L		153	50 - 150	6	40
2-Chlorophenol	ND		25.2	14.4		ug/L		57	50 - 150	4	40
Indeno[1,2,3-cd]pyrene	ND	F1	25.2	10.0	F1	ug/L		40	50 - 150	3	40
1-Methylnaphthalene	ND		25.2	14.2		ug/L		56	50 - 150	1	40
4-Chlorophenyl phenyl ether	ND		25.2	13.5		ug/L		54	50 - 150	1	40
2-Methylnaphthalene	ND		25.2	14.7		ug/L		58	50 - 150	0	40
Dibenz[a,h]acridine	ND	F1 *-	1000	31.1	F1	ug/L		3	50 - 150	4	40
Dibenzofuran	ND		25.2	14.5		ug/L		58	50 - 150	2	40
3,3'-Dichlorobenzidine	ND		33.6	21.8		ug/L		65	50 - 150	0	40
Phenanthrene	ND		25.2	14.9		ug/L		59	50 - 150	1	40
2,4-Dichlorophenol	ND		25.2	16.4		ug/L		65	50 - 150	4	40
Pyrene	ND		25.2	16.2		ug/L		64	50 - 150	0	40
Diethyl phthalate	ND		25.2	18.1		ug/L		72	50 - 150	2	40
2,4-Dimethylphenol	ND	F2 F1	25.2	1.28	J F1 F2	ug/L		5	50 - 150	92	40
Dimethyl phthalate	ND		25.2	19.2		ug/L		76	50 - 150	3	40
Di-n-butyl phthalate	ND		25.2	19.7		ug/L		78	50 - 150	3	40
4,6-Dinitro-ortho-cresol	ND		50.3	42.5		ug/L		84	50 - 150	5	40
2,4-Dinitrophenol	ND		50.3	45.0		ug/L		89	50 - 150	0	40
2,4-Dinitrotoluene	ND		25.2	17.2		ug/L		68	50 - 150	4	40
2,6-Dinitrotoluene	ND		25.2	18.6		ug/L		74	50 - 150	3	40
Di-n-octyl phthalate	ND		25.2	12.7		ug/L		50	50 - 150	2	40
1,4-Dioxane	ND		25.2	14.7		ug/L		58	50 - 150	7	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		25.2	14.7	I	ug/L		59	50 - 150	3	40
Hexachlorobenzene	ND		25.2	14.8		ug/L		59	50 - 150	1	40
Hexachlorocyclopentadiene	ND		25.2	18.5	J	ug/L		74	50 - 150	5	40
Hexachloroethane	ND		25.2	12.9		ug/L		51	50 - 150	8	40
Indene	ND	F1 *-	1010	22.5	F1	ug/L		2	50 - 150	13	40
Isophorone	ND		25.2	14.5		ug/L		58	50 - 150	3	40
2-Methylphenol	ND		25.2	16.9		ug/L		67	50 - 150	1	40
3 & 4 Methylphenol	ND	F1	25.2	9.67	J F1	ug/L		38	50 - 150	6	40
2-Nitroaniline	ND		25.2	18.7		ug/L		74	50 - 150	6	40
3-Nitroaniline	ND		25.2	21.4		ug/L		85	50 - 150	7	40
4-Nitroaniline	ND		25.2	23.9		ug/L		95	50 - 150	6	40
Nitrobenzene	ND		25.2	16.4		ug/L		65	50 - 150	6	40
2-Nitrophenol	ND		25.2	18.4		ug/L		73	50 - 150	2	40
4-Nitrophenol	ND	F2 F1	50.3	12.6	F1 F2	ug/L		25	50 - 150	88	40
N-Nitrosodimethylamine	ND		25.2	16.1		ug/L		64	50 - 150	8	40
N-Nitrosodi-n-propylamine	ND		25.2	15.7		ug/L		62	50 - 150	6	40
N-Nitrosodiphenylamine	ND		25.0	14.9		ug/L		60	50 - 150	3	40
Pentachlorophenol	ND		50.3	43.4		ug/L		86	50 - 150	2	40
Phenol	ND		25.2	20.8		ug/L		83	50 - 150	4	40
Pyridine	ND	F1 *-	50.3	ND	F1	ug/L		0	50 - 150	NC	40

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

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 706013

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Quinoline	ND	F1 *-	1000	26.4	F1	ug/L		3	50 - 150	2	40
2,4,5-Trichlorophenol	ND		25.2	15.8		ug/L		63	50 - 150	4	40
2,4,6-Trichlorophenol	ND		25.2	16.0		ug/L		63	50 - 150	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*15 - 150*
Nitrobenzene-d5	*74*		*50 - 150*
Terphenyl-d14	*64*		*43 - 147*
2-Fluorobiphenyl	*67*		*15 - 150*
2-Fluorophenol	*90*		*10 - 150*
Nitrobenzene-d5	*74*		*50 - 150*
Phenol-d5	*44*		*10 - 150*
Terphenyl-d14	*64*		*43 - 147*
2,4,6-Tribromophenol	*73*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-705256/1-A
Matrix: Water
Analysis Batch: 705277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/10/25 10:51	04/10/25 13:28	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/10/25 10:51	04/10/25 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*04/10/25 10:51*	*04/10/25 13:28*	*1*

Lab Sample ID: LCS 400-705256/2-A
Matrix: Water
Analysis Batch: 705277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0887		ug/L		88	60 - 140
1,2-Dibromoethane	0.100	0.0973		ug/L		97	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*82*		*51 - 149*

Lab Sample ID: LCSD 400-705256/3-A
Matrix: Water
Analysis Batch: 705277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705256

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.0888		ug/L		88	60 - 140	0	30
1,2-Dibromoethane	0.100	0.0999		ug/L		100	60 - 140	3	30

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

Lab Sample ID: LCSD 400-705256/3-A
Matrix: Water
Analysis Batch: 705277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705256

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*51 - 149*

Lab Sample ID: 400-273857-3 MS
Matrix: Water
Analysis Batch: 705277

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.105	0.0918		ug/L		88	10 - 150		
1,2-Dibromoethane	ND		0.104	0.0856		ug/L		82	39 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*61*		*51 - 149*

Lab Sample ID: 400-273857-3 MSD
Matrix: Water
Analysis Batch: 705277

Client Sample ID: MW10-ROX-040725
Prep Type: Total/NA
Prep Batch: 705256

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		0.111	0.0877		ug/L		79	10 - 150	5	20
1,2-Dibromoethane	ND		0.111	0.0949		ug/L		85	39 - 150	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*55*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/7/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 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): S.MCLEAN, J.MAYER

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 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 – 3.2.2

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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040725-8260	4/7/2025	0000	Water	2					2	X			
	TB-ROX-040725-8011	4/7/2025	0000	Water	2					2		X		
	MW10-ROX-040725	4/7/2025	1015	Water	6			4		10	X	X	X	X
	MW10-ROX-040725-MS	4/7/2025	1015	Water	6			4		10	X	X	X	X
	MW10-ROX-040725-MSD	4/7/2025	1015	Water	6			4		10	X	X	X	X
	MW27-ROX-040725	4/7/2025	1200	Water	6			4		10	X	X	X	X
	MW11-ROX-040725	4/7/2025	1320	Water	6			4		10	X	X	X	X

400-273857 Chain of Custody

SM SM 040725

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496016178	4/7/2025	1600
		4-8-25	0900

CUSTODY SEALS: 2779065, 2779064

1.1°C IR8

Version: 19Sept24

5/6/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-273857-1

Login Number: 273857
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	1.1°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-273857-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274049-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/15/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/18/2025

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		
All SVOCs in samples MW12-ROX-040825 and MW26-ROX-040825 were re-extracted 17 days outside of extraction time criteria (7 days) and then re-analyzed due to no, or low, quality control surrogate recoveries in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in samples MW12-ROX-040825 and MW26-ROX-040825 were reported from the primary run due to gross holding time exceedances in the secondary run.					
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW12-ROX-040825	SVOCs	2-Fluorophenol	**2**	10-150
MW12-ROX-040825	SVOCs	Phenol-d5	**4**	10-150
MW26-ROX-040825	SVOCs	2-Fluorophenol	**1**	10-150
MW26-ROX-040825	SVOCs	Phenol-d5	**2**	10-150

Professional judgement was used to qualify as estimated, however, not reject the SVOCs results associated with samples MW12-ROX-040825 and MW26-ROX-040825 due to poor surrogate recoveries. All acidic SVOCs in samples MW12-ROX-040825 and MW26-ROX-040825 were qualified as estimated (UJ/J).

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		

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

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW16-ROX-040825 MS/MSD	VOCs	Acetone	**33/32**	2	43–150/30
MW16-ROX-040825 MS/MSD	VOCs	Bromobenzene	**48/50**	5	59-136/30
MW16-ROX-040825 MS/MSD	VOCs	2-Butanone (MEK)	**40/43**	8	55-150/30
MW16-ROX-040825 MS/MSD	VOCs	Carbon tetrachloride	**54**/58	7	55-145/30
MW16-ROX-040825 MS/MSD	VOCs	Chlorobenzene	**51/54**	6	64-130/30
MW16-ROX-040825 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	NC	10-150/50
MW16-ROX-040825 MS/MSD	VOCs	1-Chlorohexane	**50/53**	5	56-136/30
MW16-ROX-040825 MS/MSD	VOCs	1,2-Dichlorobenzene	**46/49**	7	52–137/30
MW16-ROX-040825 MS/MSD	VOCs	1,3-Dichlorobenzene	**43/45**	5	54-135/30
MW16-ROX-040825 MS/MSD	VOCs	1,4-Dichlorobenzene	**42/43**	3	53-135/30
MW16-ROX-040825 MS/MSD	VOCs	1,2-Dichloroethane	**56**/60	7	60–141/30
MW16-ROX-040825 MS/MSD	VOCs	1,1-Dichloropropene	**61/63**	4	65–136/30
MW16-ROX-040825 MS/MSD	VOCs	Ethylbenzene	**51/53**	5	58–131/30
MW16-ROX-040825 MS/MSD	VOCs	Hexachlorobutadiene	**27/28**	4	31–149/36
MW16-ROX-040825 MS/MSD	VOCs	2-Hexanone	**55/56**	2	65-140/30
MW16-ROX-040825 MS/MSD	VOCs	Isopropylbenzene	**45/49**	8	56-133/30
MW16-ROX-040825 MS/MSD	VOCs	m-Xylene & p-Xylene	**48/50**	5	57-130/30
MW16-ROX-040825 MS/MSD	VOCs	n-Butylbenzene	**38**/41	8	41-142/31
MW16-ROX-040825 MS/MSD	VOCs	N-Propylbenzene	**45/47**	3	51-138/30
MW16-ROX-040825 MS/MSD	VOCs	o-Chlorotoluene	**48/51**	6	53-134/30
MW16-ROX-040825 MS/MSD	VOCs	o-Xylene	**50/53**	6	61-130/30
MW16-ROX-040825 MS/MSD	VOCs	p-Chlorotoluene	**46/48**	5	54-133/30
MW16-ROX-040825 MS/MSD	VOCs	p-Isopropyltoluene	**39/41**	6	48-139/30

Stage 2A Validation						
Item Reviewed	**Acceptable Criteria**		**Quality Condition**			**Comments**
			Pass	**Fail[1]**	**N/A**	
MW16-ROX-040825 MS/MSD	VOCs	sec-Butylbenzene		**43/46**	7	50-138/30
MW16-ROX-040825 MS/MSD	VOCs	Styrene		**48/51**	6	58-131/30
MW16-ROX-040825 MS/MSD	VOCs	tert-Butylbenzene		**48/47**	1	54-146/30
MW16-ROX-040825 MS/MSD	VOCs	1,1,1,2-Tetrachloroethane		**53/55**	3	59-137/30
MW16-ROX-040825 MS/MSD	VOCs	Tetrachloroethene		**47/50**	6	52-133/30
MW16-ROX-040825 MS/MSD	VOCs	Toluene		**57/60**	4	65-130/30
MW16-ROX-040825 MS/MSD	VOCs	1,2,3-Trichlorobenzene		**36/40**	10	43-145/30
MW16-ROX-040825 MS/MSD	VOCs	1,2,4-Trichlorobenzene		**37/38**	4	39-148/30
MW16-ROX-040825 MS/MSD	VOCs	Trichloroethene		**56/60**	7	64-136/30
MW16-ROX-040825 MS/MSD	VOCs	1,2,4-Trimethylbenzene		**43/46**	5	50-139/30
MW16-ROX-040825 MS/MSD	VOCs	1,3,5-Trimethylbenzene		**46/48**	5	52-135/30
MW16-ROX-040825 MS/MSD	VOCs	Xylenes, Total		**49/51**	5	59-130/30
MW16-ROX-040825 MS/MSD	SVOCs	Aniline		**29/30**	8	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Benzyl alcohol		**20/24**	19	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Bis(2-ethylhexyl) phthalate		**48**/57	21	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	4-Chloroaniline		**43/45**	9	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	2,4-Dimethylphenol		**41/47**	19	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Dimethyl phthalate		**48**/68	37	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Indene		**48/48**	3	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Pyridine		**14/20**	38	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	Butyl benzyl phthalate		52/76	**42**	50-150/40
MW16-ROX-040825 MS/MSD	SVOCs	2-Chloronaphthalene		147/**165**	20	50-150/40

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. 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**	

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-040825	VOCs	Acetone	**UJ**
MW16-ROX-040825	VOCs	Bromobenzene	**UJ**
MW16-ROX-040825	VOCs	2-Butanone (MEK)	**UJ**
MW16-ROX-040825	VOCs	Carbon tetrachloride	**UJ**
MW16-ROX-040825	VOCs	Chlorobenzene	**UJ**
MW16-ROX-040825	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW16-ROX-040825	VOCs	1-Chlorohexane	**UJ**
MW16-ROX-040825	VOCs	1,2-Dichlorobenzene	**UJ**
MW16-ROX-040825	VOCs	1,3-Dichlorobenzene	**UJ**
MW16-ROX-040825	VOCs	1,4-Dichlorobenzene	**UJ**
MW16-ROX-040825	VOCs	1,2-Dichloroethane	**UJ**
MW16-ROX-040825	VOCs	1,1-Dichloropropene	**UJ**
MW16-ROX-040825	VOCs	Ethylbenzene	**UJ**
MW16-ROX-040825	VOCs	Hexachlorobutadiene	**UJ**
MW16-ROX-040825	VOCs	2-Hexanone	**UJ**
MW16-ROX-040825	VOCs	Isopropylbenzene	**UJ**
MW16-ROX-040825	VOCs	m-Xylene & p-Xylene	**UJ**
MW16-ROX-040825	VOCs	n-Butylbenzene	**UJ**
MW16-ROX-040825	VOCs	N-Propylbenzene	**UJ**
MW16-ROX-040825	VOCs	o-Chlorotoluene	**UJ**
MW16-ROX-040825	VOCs	o-Xylene	**UJ**
MW16-ROX-040825	VOCs	p-Chlorotoluene	**UJ**
MW16-ROX-040825	VOCs	p-Isopropyltoluene	**UJ**
MW16-ROX-040825	VOCs	sec-Butylbenzene	**UJ**
MW16-ROX-040825	VOCs	Styrene	**UJ**
MW16-ROX-040825	VOCs	tert-Butylbenzene	**UJ**
MW16-ROX-040825	VOCs	1,1,1,2-Tetrachloroethane	**UJ**
MW16-ROX-040825	VOCs	Tetrachloroethene	**UJ**
MW16-ROX-040825	VOCs	Toluene	**UJ**
MW16-ROX-040825	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW16-ROX-040825	VOCs	1,2,4-Trichlorobenzene	**UJ**
MW16-ROX-040825	VOCs	Trichloroethene	**UJ**
MW16-ROX-040825	VOCs	1,2,4-Trimethylbenzene	**UJ**
MW16-ROX-040825	VOCs	1,3,5-Trimethylbenzene	**UJ**
MW16-ROX-040825	VOCs	Xylenes, Total	**UJ**
MW16-ROX-040825	SVOCs	Aniline	**UJ**
MW16-ROX-040825	SVOCs	Benzyl alcohol	**UJ**
MW16-ROX-040825	SVOCs	Bis(2-ethylhexyl) phthalate	**UJ**
MW16-ROX-040825	SVOCs	4-Chloroaniline	**UJ**
MW16-ROX-040825	SVOCs	2,4-Dimethylphenol	**UJ**
MW16-ROX-040825	SVOCs	Dimethyl phthalate	**UJ**
MW16-ROX-040825	SVOCs	Indene	**UJ**
MW16-ROX-040825	SVOCs	Pyridine	**UJ**

Method 8260D (VOCs)

<table>
<tr><th colspan="7">Stage 2A Validation</th></tr>
<tr><th rowspan="2">Item Reviewed</th><th rowspan="2">Acceptable Criteria</th><th colspan="3">Quality Condition</th><th rowspan="2">Comments</th></tr>
<tr><th>Pass</th><th>Fail[1]</th><th>N/A</th></tr>
<tr><td colspan="7">Professional judgement was used to qualify; however, not reject 2-chloroethyl vinyl ether due to the acid reactive nature of 2-chloroethyl vinyl ether.</td></tr>
<tr><td>Laboratory Control Spike</td><td>LCS was performed at the required frequency and LCS recoveries met acceptance criteria.</td><td></td><td>X</td><td></td><td colspan="2"></td></tr>
<tr><td colspan="7">
<table>
<tr><th>LCS/LCSD ID</th><th>Parameter</th><th>Analyte</th><th>LCS/LCSD Recovery</th><th>RPD</th><th>LCS/LCSD/RPD Criteria</th></tr>
<tr><td>LCS 400-705687/2-A
LCSD 400-705687/3-A</td><td>SVOCs</td><td>2-Chloronaphthalene</td><td>166/160</td><td>4</td><td>44-122/40</td></tr>
</table>
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.
</td></tr>
<tr><td>Trip/Field/Equipment Blank</td><td>Target analytes were not detected in the trip/field/equipment blank.</td><td>X</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Laboratory Blank</td><td>Target analytes were not detected in the laboratory blank.</td><td>X</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Detection Limits[2]</td><td>No results were reported as non-detect at elevated detection limits.</td><td>X</td><td></td><td></td><td colspan="2">No dilutions were necessary.</td></tr>
<tr><td>Reporting/Other</td><td>No other quality issues were noted that would impact the usability of this data set.</td><td>X</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Usability</td><td>No results qualified as unusable.</td><td>X</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Historical</td><td>Sample results were within 3 standard deviations from historical mean.</td><td>X</td><td></td><td></td><td colspan="2"></td></tr>
</table>

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 continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Carbon tetrachloride and 1,2-dichloroethane in sample MW16-ROX-040825 were previously qualified due to matrix spike recoveries outside evaluation criteria; no further qualification was required.					

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) The initial calibration verification (ICV) for pyridine was outside evaluation criteria, biased low.. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Benzyl alcohol in samples MW-12-ROX-040825 and MW26-ROX-040825 was previously qualified due to surrogate failures. Benzyl alcohol and pyridine in sample MW16-ROX-040825 was previously qualified due to matrix spike recoveries outside evaluation criteria; no further qualification was required. 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.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-040825	VOCs	Trichlorofluoromethane(Freon 11)	**UJ**
MW12-ROX-040825	VOCs	Trichlorofluoromethane(Freon 11)	**UJ**
MW12-ROX-040825	VOCs	Carbon tetrachloride	**UJ**
MW12-ROX-040825	VOCs	1,2-Dichloroethane	**UJ**
MW26-ROX-040825	VOCs	Trichlorofluoromethane(Freon 11)	**UJ**
MW26-ROX-040825	VOCs	Carbon tetrachloride	**UJ**
MW26-ROX-040825	VOCs	1,2-Dichloroethane	**UJ**
MW12-ROX-040825	SVOCs	Pyridine	**UJ**
MW26-ROX-040825	SVOCs	Pyridine	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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 5/14/2025 12:55:58 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274049-1

Reviewed 7/16/2025
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
400-274049-1

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 4/9/2025 9:30 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 3.0°C and 3.6°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706502 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, Carbon tetrachloride 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-706502 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 400-706502 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 400-706502 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

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-040825-8260 (400-274049-1), MW16-ROX-040825 (400-274049-3), MW12-ROX-040825 (400-274049-4) and MW26-ROX-040825 (400-274049-5). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile which are acid-labile compound 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_QQQ: The initial calibration verification (ICV) analyzed in batch 400-702953 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 400-706657 recovered above the upper control limit for 2,4-Dinitrotoluene, N-Nitrosodi-n-propylamine and 3 & 4 Methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-706657/3).

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-705687 and analytical batch 400-706657 recovered outside control limits for the following analytes: 2-Chloronaphthalene. 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 400-705687 and analytical batch 400-706657 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 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-702953 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-707847 and analytical batch 400-708271 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270E_QQQ: Surrogate recovery for the following samples were outside control limits: MW12-ROX-040825 (400-274049-4) and MW26-ROX-040825 (400-274049-5). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-708746 recovered above the upper control limit for Butyl benzyl phthalate and Diethyl phthalate. 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 400-708746 recovered outside acceptance criteria, low biased, for Pyridine. 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 laboratory control sample (LCS) for preparation batch 400-708675 and analytical batch 400-708746 recovered outside control limits for the following analytes: 4-Bromophenyl phenyl ether, 4-Chlorophenyl phenyl ether, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Hexachlorobenzene, N-Nitrosodiphenylamine, Quinoline and Aniline. 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.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-705579 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274049-1	TB-ROX-040825-8260	Water	04/08/25 00:00	04/09/25 09:30
400-274049-2	TB-ROX-040825-8011	Water	04/08/25 00:00	04/09/25 09:30
400-274049-3	MW16-ROX-040825	Water	04/08/25 09:30	04/09/25 09:30
400-274049-4	MW12-ROX-040825	Water	04/08/25 10:50	04/09/25 09:30
400-274049-5	MW26-ROX-040825	Water	04/08/25 12:05	04/09/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: TB-ROX-040825-8260 — Lab Sample ID: 400-274049-1

No Detections.

Client Sample ID: TB-ROX-040825-8011 — Lab Sample ID: 400-274049-2

No Detections.

Client Sample ID: MW16-ROX-040825 — Lab Sample ID: 400-274049-3

No Detections.

Client Sample ID: MW12-ROX-040825 — Lab Sample ID: 400-274049-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzoic acid	29	J H	30	27	ug/L	1		8270E	Total/NA

Client Sample ID: MW26-ROX-040825 — Lab Sample ID: 400-274049-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.57	J	1.0	0.50	ug/L	1		8260D	Total/NA
Benzoic acid	28	J H	30	27	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: TB-ROX-040825-8260
Date Collected: 04/08/25 00:00
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-1
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			04/21/25 23:44	1
Acrolein	ND		20	3.3	ug/L			04/21/25 23:44	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 23:44	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/25 23:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 23:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 23:44	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 23:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/25 23:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/21/25 23:44	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/21/25 23:44	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 23:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/25 23:44	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 23:44	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/21/25 23:44	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 23:44	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/21/25 23:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 23:44	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 23:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/25 23:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/25 23:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/25 23:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 23:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/21/25 23:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 23:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/21/25 23:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 23:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/25 23:44	1
2-Hexanone	ND		25	4.3	ug/L			04/21/25 23:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/25 23:44	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 23:44	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 23:44	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/21/25 23:44	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/21/25 23:44	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 23:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/25 23:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/25 23:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/25 23:44	1
o-Xylene	ND		5.0	3.0	ug/L			04/21/25 23:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/25 23:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/25 23:44	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: TB-ROX-040825-8260
Date Collected: 04/08/25 00:00
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-1
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			04/21/25 23:44	1
Styrene	ND		1.0	1.0	ug/L			04/21/25 23:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/25 23:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/21/25 23:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/21/25 23:44	1
Toluene	ND		1.0	0.90	ug/L			04/21/25 23:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 23:44	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 23:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/21/25 23:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/25 23:44	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 23:44	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 23:44	1
Trichloroethene	ND		1.0	0.15	ug/L			04/21/25 23:44	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/21/25 23:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 23:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/25 23:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/25 23:44	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 23:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 23:44	1
Xylenes, Total	ND		10	6.0	ug/L			04/21/25 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*04/21/25 23:44*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/21/25 23:44*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/21/25 23:44*	*1*

Client: AECOM
Job ID: 400-274049-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040825-8011
Lab Sample ID: 400-274049-2
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 09:30

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/14/25 13:53	04/14/25 16:05	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/14/25 13:53	04/14/25 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*04/14/25 13:53*	*04/14/25 16:05*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: MW16-ROX-040825
Date Collected: 04/08/25 09:30
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-3
Matrix: Water

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			04/21/25 16:51	1
Acrolein	ND		20	3.3	ug/L			04/21/25 16:51	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 16:51	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 16:51	1
Bromobenzene	ND	F1UJ	1.0	0.54	ug/L			04/21/25 16:51	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 16:51	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 16:51	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 16:51	1
2-Butanone (MEK)	ND	F1UJ	25	2.6	ug/L			04/21/25 16:51	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 16:51	1
Carbon tetrachloride	ND	F1UJ	1.0	0.19	ug/L			04/21/25 16:51	1
Chlorobenzene	ND	F1 UJ	1.0	0.42	ug/L			04/21/25 16:51	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 16:51	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/21/25 16:51	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 16:51	1
1-Chlorohexane	ND	F1 UJ	1.0	0.32	ug/L			04/21/25 16:51	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 16:51	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/21/25 16:51	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 16:51	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 16:51	1
1,2-Dichlorobenzene	ND	F1 UJ	1.0	0.50	ug/L			04/21/25 16:51	1
1,3-Dichlorobenzene	ND	F1 UJ	1.0	0.54	ug/L			04/21/25 16:51	1
1,4-Dichlorobenzene	ND	F1 UJ	1.0	0.64	ug/L			04/21/25 16:51	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 16:51	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
1,2-Dichloroethane	ND	F1 UJ	1.0	0.55	ug/L			04/21/25 16:51	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 16:51	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
1,1-Dichloropropene	ND	F1 UJ	1.0	0.090	ug/L			04/21/25 16:51	1
Ethylbenzene	ND	F1 UJ	1.0	0.50	ug/L			04/21/25 16:51	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 16:51	1
Hexachlorobutadiene	ND	F1 UJ	5.0	0.90	ug/L			04/21/25 16:51	1
2-Hexanone	ND	F1 UJ	25	4.3	ug/L			04/21/25 16:51	1
Isopropylbenzene	ND	F1 UJ	1.0	0.53	ug/L			04/21/25 16:51	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 16:51	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 16:51	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/21/25 16:51	1
m-Xylene & p-Xylene	ND	F1 UJ	5.0	3.0	ug/L			04/21/25 16:51	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 16:51	1
n-Butylbenzene	ND	F1 UJ	1.0	0.76	ug/L			04/21/25 16:51	1
N-Propylbenzene	ND	F1 UJ	1.0	0.69	ug/L			04/21/25 16:51	1
o-Chlorotoluene	ND	F1 UJ	1.0	0.57	ug/L			04/21/25 16:51	1
o-Xylene	ND	F1 UJ	5.0	3.0	ug/L			04/21/25 16:51	1
p-Chlorotoluene	ND	F1 UJ	1.0	0.56	ug/L			04/21/25 16:51	1
p-Isopropyltoluene	ND	F1 UJ	1.0	0.71	ug/L			04/21/25 16:51	1

Client Sample ID: MW16-ROX-040825
Date Collected: 04/08/25 09:30
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-3
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	F1 UJ	1.0	0.70	ug/L			04/21/25 16:51	1
Styrene	ND	F1 UJ	1.0	1.0	ug/L			04/21/25 16:51	1
tert-Butylbenzene	ND	F1 UJ	1.0	0.63	ug/L			04/21/25 16:51	1
1,1,1,2-Tetrachloroethane	ND	F1 UJ	1.0	0.38	ug/L			04/21/25 16:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 16:51	1
Tetrachloroethene	ND	F1 UJ	1.0	0.33	ug/L			04/21/25 16:51	1
Toluene	ND	F1 UJ	1.0	0.90	ug/L			04/21/25 16:51	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 16:51	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 16:51	1
1,2,3-Trichlorobenzene	ND	F1 UJ	1.0	0.90	ug/L			04/21/25 16:51	1
1,2,4-Trichlorobenzene	ND	F1 UJ	1.0	0.82	ug/L			04/21/25 16:51	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 16:51	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 16:51	1
Trichloroethene	ND	F1 UJ	1.0	0.15	ug/L			04/21/25 16:51	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			04/21/25 16:51	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 16:51	1
1,2,4-Trimethylbenzene	ND	F1 UJ	1.0	0.82	ug/L			04/21/25 16:51	1
1,3,5-Trimethylbenzene	ND	F1 UJ	1.0	0.56	ug/L			04/21/25 16:51	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 16:51	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 16:51	1
Xylenes, Total	ND	F1 UJ	10	6.0	ug/L			04/21/25 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*04/21/25 16:51*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/21/25 16:51*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*04/21/25 16:51*	*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		04/15/25 07:00	04/22/25 21:08	1
Aniline	ND	F1 UJ	9.3	0.69	ug/L		04/15/25 07:00	04/22/25 21:08	1
Acenaphthylene	ND		0.19	0.044	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzenethiol	ND		9.3	0.56	ug/L		04/15/25 07:00	04/22/25 21:08	1
Anthracene	ND		0.19	0.068	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzoic acid	ND		28	25	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzo[a]anthracene	ND		0.19	0.037	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzyl alcohol	ND	F1 UJ	9.3	1.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzo[a]pyrene	ND		0.19	0.042	ug/L		04/15/25 07:00	04/22/25 21:08	1
Bis(2-chloroethoxy)methane	ND		9.3	0.32	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzo[b]fluoranthene	ND		0.19	0.039	ug/L		04/15/25 07:00	04/22/25 21:08	1
Bis(2-chloroethyl)ether	ND		9.3	0.13	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzo[g,h,i]perylene	ND		0.19	0.048	ug/L		04/15/25 07:00	04/22/25 21:08	1
bis (2-chloroisopropyl) ether	ND		9.3	0.19	ug/L		04/15/25 07:00	04/22/25 21:08	1
Benzo[k]fluoranthene	ND		0.19	0.037	ug/L		04/15/25 07:00	04/22/25 21:08	1
Bis(2-ethylhexyl) phthalate	ND	F1 UJ	9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Bromophenyl phenyl ether	ND		9.3	0.12	ug/L		04/15/25 07:00	04/22/25 21:08	1
Chrysene	ND		0.19	0.036	ug/L		04/15/25 07:00	04/22/25 21:08	1
Butyl benzyl phthalate	ND	F2	9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
Dibenz(a,h)anthracene	ND		0.19	0.041	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Chloroaniline	ND	F1 UJ	9.3	0.26	ug/L		04/15/25 07:00	04/22/25 21:08	1

Client Sample ID: MW16-ROX-040825
Date Collected: 04/08/25 09:30
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.19	0.030	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Chloro-3-methylphenol	ND		9.3	0.68	ug/L		04/15/25 07:00	04/22/25 21:08	1
Fluorene	ND		0.19	0.081	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Chloronaphthalene	ND	F1 *+	9.3	0.35	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Chlorophenol	ND		9.3	0.20	ug/L		04/15/25 07:00	04/22/25 21:08	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.030	ug/L		04/15/25 07:00	04/22/25 21:08	1
1-Methylnaphthalene	ND		0.19	0.061	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Chlorophenyl phenyl ether	ND		9.3	0.22	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Methylnaphthalene	ND		0.19	0.072	ug/L		04/15/25 07:00	04/22/25 21:08	1
Dibenz[a,h]acridine	ND		9.3	0.64	ug/L		04/15/25 07:00	04/22/25 21:08	1
Dibenzofuran	ND		9.3	0.14	ug/L		04/15/25 07:00	04/22/25 21:08	1
3,3'-Dichlorobenzidine	ND		10	0.38	ug/L		04/15/25 07:00	04/22/25 21:08	1
Phenanthrene	ND		0.19	0.041	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4-Dichlorophenol	ND		9.3	0.53	ug/L		04/15/25 07:00	04/22/25 21:08	1
Pyrene	ND		0.19	0.089	ug/L		04/15/25 07:00	04/22/25 21:08	1
Diethyl phthalate	ND		9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4-Dimethylphenol	ND	F1 UJ	9.3	0.22	ug/L		04/15/25 07:00	04/22/25 21:08	1
Dimethyl phthalate	ND	F1 UJ	9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
Di-n-butyl phthalate	ND		9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.8	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4-Dinitrophenol	ND		28	4.4	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4-Dinitrotoluene	ND		9.3	0.61	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,6-Dinitrotoluene	ND		9.3	0.27	ug/L		04/15/25 07:00	04/22/25 21:08	1
Di-n-octyl phthalate	ND		9.3	3.7	ug/L		04/15/25 07:00	04/22/25 21:08	1
1,4-Dioxane	ND		9.3	0.065	ug/L		04/15/25 07:00	04/22/25 21:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.30	ug/L		04/15/25 07:00	04/22/25 21:08	1
Hexachlorobenzene	ND		9.3	0.23	ug/L		04/15/25 07:00	04/22/25 21:08	1
Hexachlorocyclopentadiene	ND		19	0.30	ug/L		04/15/25 07:00	04/22/25 21:08	1
Hexachloroethane	ND		9.3	0.49	ug/L		04/15/25 07:00	04/22/25 21:08	1
Indene	ND	F1 UJ	9.3	0.41	ug/L		04/15/25 07:00	04/22/25 21:08	1
Isophorone	ND		9.3	0.75	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Methylphenol	ND		9.3	0.28	ug/L		04/15/25 07:00	04/22/25 21:08	1
3 & 4 Methylphenol	ND		19	0.17	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Nitroaniline	ND		9.3	1.3	ug/L		04/15/25 07:00	04/22/25 21:08	1
3-Nitroaniline	ND		9.3	0.89	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Nitroaniline	ND		9.3	1.1	ug/L		04/15/25 07:00	04/22/25 21:08	1
Nitrobenzene	ND		9.3	0.56	ug/L		04/15/25 07:00	04/22/25 21:08	1
2-Nitrophenol	ND		9.3	1.1	ug/L		04/15/25 07:00	04/22/25 21:08	1
4-Nitrophenol	ND		9.3	2.6	ug/L		04/15/25 07:00	04/22/25 21:08	1
N-Nitrosodimethylamine	ND		9.3	0.21	ug/L		04/15/25 07:00	04/22/25 21:08	1
N-Nitrosodi-n-propylamine	ND		9.3	0.31	ug/L		04/15/25 07:00	04/22/25 21:08	1
N-Nitrosodiphenylamine	ND		9.3	0.18	ug/L		04/15/25 07:00	04/22/25 21:08	1
Pentachlorophenol	ND		9.3	0.38	ug/L		04/15/25 07:00	04/22/25 21:08	1
Phenol	ND		9.3	0.25	ug/L		04/15/25 07:00	04/22/25 21:08	1
Pyridine	ND	F1 UJ	9.3	0.60	ug/L		04/15/25 07:00	04/22/25 21:08	1
Quinoline	ND		9.3	0.47	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4,5-Trichlorophenol	ND		9.3	0.50	ug/L		04/15/25 07:00	04/22/25 21:08	1
2,4,6-Trichlorophenol	ND		9.3	1.0	ug/L		04/15/25 07:00	04/22/25 21:08	1

Client Sample ID: MW16-ROX-040825
Lab Sample ID: 400-274049-3
Date Collected: 04/08/25 09:30
Matrix: Water
Date Received: 04/09/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
Terphenyl-d14	*64*		*43 - 147*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
2-Fluorobiphenyl	*75*		*15 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
2-Fluorophenol	*87*		*10 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
Nitrobenzene-d5	*74*		*50 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
Phenol-d5	*80*		*10 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
Terphenyl-d14	*64*		*43 - 147*	*04/15/25 07:00*	*04/22/25 21:08*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*04/15/25 07:00*	*04/22/25 21:08*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/14/25 13:53	04/14/25 16:26	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/14/25 13:53	04/14/25 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*75*		*51 - 149*	*04/14/25 13:53*	*04/14/25 16:26*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: MW12-ROX-040825
Date Collected: 04/08/25 10:50
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-4
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			04/22/25 00:08	1
Acrolein	ND		20	3.3	ug/L			04/22/25 00:08	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 00:08	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 00:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 00:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 00:08	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 00:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 00:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Carbon tetrachloride	ND	UJ	1.0	0.19	ug/L			04/22/25 00:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 00:08	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 00:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 00:08	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 00:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 00:08	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 00:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 00:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 00:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 00:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 00:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 00:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 00:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 00:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
1,2-Dichloroethane	ND	UJ	1.0	0.55	ug/L			04/22/25 00:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 00:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 00:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 00:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 00:08	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 00:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 00:08	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 00:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 00:08	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 00:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 00:08	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 00:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/25 00:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 00:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 00:08	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 00:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 00:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 00:08	1

Client Sample ID: MW12-ROX-040825
Date Collected: 04/08/25 10:50
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-4
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			04/22/25 00:08	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 00:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 00:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 00:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 00:08	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 00:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 00:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 00:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 00:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 00:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 00:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 00:08	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 00:08	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			04/22/25 00:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 00:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 00:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 00:08	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 00:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 00:08	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/22/25 00:08*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/22/25 00:08*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/22/25 00:08*	*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	0.086	ug/L		04/15/25 07:00	04/22/25 22:37	1
Aniline	ND		10	0.75	ug/L		04/15/25 07:00	04/22/25 22:37	1
Aniline	ND	H *-	9.9	0.73	ug/L		05/02/25 10:41	05/06/25 21:09	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzenethiol	ND	UJ	10	0.61	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzenethiol	ND	H *1	9.9	0.59	ug/L		05/02/25 10:41	05/06/25 21:09	1
Anthracene	ND		0.20	0.074	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzoic acid	ND	UJ	30	27	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzoic acid	**29**	**J H**	30	27	ug/L		05/02/25 10:41	05/06/25 21:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/15/25 07:00	04/22/25 22:37	1
Benzyl alcohol	ND	H	9.9	1.8	ug/L		05/02/25 10:41	05/06/25 21:09	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-chloroethoxy)methane	ND	H	9.9	0.34	ug/L		05/02/25 10:41	05/06/25 21:09	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-chloroethyl)ether	ND	H	9.9	0.14	ug/L		05/02/25 10:41	05/06/25 21:09	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		04/15/25 07:00	04/22/25 22:37	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/15/25 07:00	04/22/25 22:37	1
bis (2-chloroisopropyl) ether	ND	H	9.9	0.20	ug/L		05/02/25 10:41	05/06/25 21:09	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: MW12-ROX-040825
Date Collected: 04/08/25 10:50
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Bis(2-ethylhexyl) phthalate	ND	H	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Bromophenyl phenyl ether	ND	H *-	9.9	0.13	ug/L		05/02/25 10:41	05/06/25 21:09	1
Chrysene	ND		0.20	0.039	ug/L		04/15/25 07:00	04/22/25 22:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Butyl benzyl phthalate	ND	H	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chloroaniline	ND		10	0.28	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chloroaniline	ND	H	9.9	0.28	ug/L		05/02/25 10:41	05/06/25 21:09	1
Fluoranthene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chloro-3-methylphenol	ND	UJ	10	0.74	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chloro-3-methylphenol	ND	H	9.9	0.72	ug/L		05/02/25 10:41	05/06/25 21:09	1
Fluorene	ND		0.20	0.088	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Chloronaphthalene	ND	H	9.9	0.38	ug/L		05/02/25 10:41	05/06/25 21:09	1
2-Chlorophenol	ND	UJ	10	0.22	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Chlorophenol	ND	H	9.9	0.22	ug/L		05/02/25 10:41	05/06/25 21:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 22:37	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Chlorophenyl phenyl ether	ND	H *-	9.9	0.24	ug/L		05/02/25 10:41	05/06/25 21:09	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		04/15/25 07:00	04/22/25 22:37	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		04/15/25 07:00	04/22/25 22:37	1
Dibenz[a,h]acridine	ND	H	9.9	0.68	ug/L		05/02/25 10:41	05/06/25 21:09	1
Dibenzofuran	ND		10	0.15	ug/L		04/15/25 07:00	04/22/25 22:37	1
Dibenzofuran	ND	H *-	9.9	0.15	ug/L		05/02/25 10:41	05/06/25 21:09	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/15/25 07:00	04/22/25 22:37	1
3,3'-Dichlorobenzidine	ND	H	11	0.40	ug/L		05/02/25 10:41	05/06/25 21:09	1
Phenanthrene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4-Dichlorophenol	ND	UJ	10	0.58	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4-Dichlorophenol	ND	H	9.9	0.56	ug/L		05/02/25 10:41	05/06/25 21:09	1
Pyrene	ND		0.20	0.096	ug/L		04/15/25 07:00	04/22/25 22:37	1
Diethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Diethyl phthalate	ND	H *-	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,4-Dimethylphenol	ND	UJ	10	0.24	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4-Dimethylphenol	ND	H	9.9	0.24	ug/L		05/02/25 10:41	05/06/25 21:09	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Dimethyl phthalate	ND	H *-	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Di-n-butyl phthalate	ND	H	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
4,6-Dinitro-ortho-cresol	ND	H	9.9	1.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4-Dinitrophenol	ND	H	30	4.6	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4-Dinitrotoluene	ND	H	9.9	0.64	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/15/25 07:00	04/22/25 22:37	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: MW12-ROX-040825
Date Collected: 04/08/25 10:50
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	H	9.9	0.29	ug/L		05/02/25 10:41	05/06/25 21:09	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 22:37	1
Di-n-octyl phthalate	ND	H	9.9	3.9	ug/L		05/02/25 10:41	05/06/25 21:09	1
1,4-Dioxane	ND		10	0.071	ug/L		04/15/25 07:00	04/22/25 22:37	1
1,4-Dioxane	ND	H	9.9	0.069	ug/L		05/02/25 10:41	05/06/25 21:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/15/25 07:00	04/22/25 22:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.9	0.32	ug/L		05/02/25 10:41	05/06/25 21:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/15/25 07:00	04/22/25 22:37	1
Hexachlorobenzene	ND	H *-	9.9	0.25	ug/L		05/02/25 10:41	05/06/25 21:09	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/15/25 07:00	04/22/25 22:37	1
Hexachlorocyclopentadiene	ND	H	20	0.32	ug/L		05/02/25 10:41	05/06/25 21:09	1
Hexachloroethane	ND		10	0.54	ug/L		04/15/25 07:00	04/22/25 22:37	1
Hexachloroethane	ND	H	9.9	0.52	ug/L		05/02/25 10:41	05/06/25 21:09	1
Indene	ND		10	0.44	ug/L		04/15/25 07:00	04/22/25 22:37	1
Indene	ND	H	9.9	0.43	ug/L		05/02/25 10:41	05/06/25 21:09	1
Isophorone	ND		10	0.81	ug/L		04/15/25 07:00	04/22/25 22:37	1
Isophorone	ND	H	9.9	0.79	ug/L		05/02/25 10:41	05/06/25 21:09	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Methylphenol	ND	H	9.9	0.30	ug/L		05/02/25 10:41	05/06/25 21:09	1
3 & 4 Methylphenol	ND	UJ	20	0.18	ug/L		04/15/25 07:00	04/22/25 22:37	1
3 & 4 Methylphenol	ND	H	20	0.18	ug/L		05/02/25 10:41	05/06/25 21:09	1
2-Nitroaniline	ND		10	1.4	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Nitroaniline	ND	H	9.9	1.4	ug/L		05/02/25 10:41	05/06/25 21:09	1
3-Nitroaniline	ND		10	0.96	ug/L		04/15/25 07:00	04/22/25 22:37	1
3-Nitroaniline	ND	H	9.9	0.94	ug/L		05/02/25 10:41	05/06/25 21:09	1
4-Nitroaniline	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Nitroaniline	ND	H	9.9	1.2	ug/L		05/02/25 10:41	05/06/25 21:09	1
Nitrobenzene	ND		10	0.61	ug/L		04/15/25 07:00	04/22/25 22:37	1
Nitrobenzene	ND	H	9.9	0.59	ug/L		05/02/25 10:41	05/06/25 21:09	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		04/15/25 07:00	04/22/25 22:37	1
2-Nitrophenol	ND	H	9.9	1.2	ug/L		05/02/25 10:41	05/06/25 21:09	1
4-Nitrophenol	ND	UJ	10	2.8	ug/L		04/15/25 07:00	04/22/25 22:37	1
4-Nitrophenol	ND	H	9.9	2.7	ug/L		05/02/25 10:41	05/06/25 21:09	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/15/25 07:00	04/22/25 22:37	1
N-Nitrosodimethylamine	ND	H	9.9	0.23	ug/L		05/02/25 10:41	05/06/25 21:09	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/15/25 07:00	04/22/25 22:37	1
N-Nitrosodi-n-propylamine	ND	H	9.9	0.33	ug/L		05/02/25 10:41	05/06/25 21:09	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/15/25 07:00	04/22/25 22:37	1
N-Nitrosodiphenylamine	ND	H *-	9.9	0.19	ug/L		05/02/25 10:41	05/06/25 21:09	1
Pentachlorophenol	ND	UJ	10	0.41	ug/L		04/15/25 07:00	04/22/25 22:37	1
Pentachlorophenol	ND	H	9.9	0.40	ug/L		05/02/25 10:41	05/06/25 21:09	1
Phenol	ND	UJ	10	0.27	ug/L		04/15/25 07:00	04/22/25 22:37	1
Phenol	ND	H	9.9	0.27	ug/L		05/02/25 10:41	05/06/25 21:09	1
Pyridine	ND	UJ	10	0.65	ug/L		04/15/25 07:00	04/22/25 22:37	1
Pyridine	ND	H	9.9	0.63	ug/L		05/02/25 10:41	05/06/25 21:09	1
Quinoline	ND		10	0.51	ug/L		04/15/25 07:00	04/22/25 22:37	1
Quinoline	ND	H *-	9.9	0.49	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,4,5-Trichlorophenol	ND	UJ	10	0.55	ug/L		04/15/25 07:00	04/22/25 22:37	1

Client Sample ID: MW12-ROX-040825
Lab Sample ID: 400-274049-4

Date Collected: 04/08/25 10:50
Matrix: Water

Date Received: 04/09/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	9.9	0.53	ug/L		05/02/25 10:41	05/06/25 21:09	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		04/15/25 07:00	04/22/25 22:37	1
2,4,6-Trichlorophenol	ND	H	9.9	1.1	ug/L		05/02/25 10:41	05/06/25 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*05/02/25 10:41*	*05/06/25 21:09*	*1*
2-Fluorophenol	*2*	*S1-*	*10 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
2-Fluorophenol	*33*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:09*	*1*
Nitrobenzene-d5	*82*		*50 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*05/02/25 10:41*	*05/06/25 21:09*	*1*
Phenol-d5	*4*	*S1-*	*10 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
Phenol-d5	*18*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:09*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
Terphenyl-d14	*71*		*43 - 147*	*05/02/25 10:41*	*05/06/25 21:09*	*1*
2,4,6-Tribromophenol	*20*		*10 - 150*	*04/15/25 07:00*	*04/22/25 22:37*	*1*
2,4,6-Tribromophenol	*81*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	10	0.76	ug/L		05/09/25 07:00	05/11/25 00:46	1
4-Bromophenyl phenyl ether	ND	H	10	0.13	ug/L		05/09/25 07:00	05/11/25 00:46	1
4-Chlorophenyl phenyl ether	ND	H	10	0.25	ug/L		05/09/25 07:00	05/11/25 00:46	1
Dibenzofuran	ND	H	10	0.15	ug/L		05/09/25 07:00	05/11/25 00:46	1
Diethyl phthalate	ND	H *-	10	4.1	ug/L		05/09/25 07:00	05/11/25 00:46	1
Dimethyl phthalate	ND	H	10	4.1	ug/L		05/09/25 07:00	05/11/25 00:46	1
Hexachlorobenzene	ND	H	10	0.26	ug/L		05/09/25 07:00	05/11/25 00:46	1
N-Nitrosodiphenylamine	ND	H	10	0.19	ug/L		05/09/25 07:00	05/11/25 00:46	1
Quinoline	ND	H	10	0.51	ug/L		05/09/25 07:00	05/11/25 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*15 - 150*	*05/09/25 07:00*	*05/11/25 00:46*	*1*
2-Fluorophenol	*66*		*10 - 150*	*05/09/25 07:00*	*05/11/25 00:46*	*1*
Nitrobenzene-d5	*62*		*50 - 150*	*05/09/25 07:00*	*05/11/25 00:46*	*1*
Phenol-d5	*66*		*10 - 150*	*05/09/25 07:00*	*05/11/25 00:46*	*1*
Terphenyl-d14	*41*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/11/25 00:46*	*1*
2,4,6-Tribromophenol	*70*		*10 - 150*	*05/09/25 07:00*	*05/11/25 00:46*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/14/25 13:53	04/14/25 17:31	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/14/25 13:53	04/14/25 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*04/14/25 13:53*	*04/14/25 17:31*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Client Sample ID: MW26-ROX-040825
Date Collected: 04/08/25 12:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-5
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			04/22/25 00:33	1
Acrolein	ND		20	3.3	ug/L			04/22/25 00:33	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 00:33	1
Benzene	**0.57**	**J**	1.0	0.50	ug/L			04/22/25 00:33	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 00:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 00:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 00:33	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 00:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 00:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 00:33	1
Carbon tetrachloride	ND	UJ	1.0	0.19	ug/L			04/22/25 00:33	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 00:33	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 00:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 00:33	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 00:33	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 00:33	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 00:33	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 00:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 00:33	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 00:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 00:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 00:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 00:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 00:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
1,2-Dichloroethane	ND	UJ	1.0	0.55	ug/L			04/22/25 00:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 00:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 00:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 00:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 00:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 00:33	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 00:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 00:33	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 00:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 00:33	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 00:33	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 00:33	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 00:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/25 00:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 00:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 00:33	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 00:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 00:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 00:33	1

Client Sample ID: MW26-ROX-040825
Date Collected: 04/08/25 12:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-5
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			04/22/25 00:33	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 00:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 00:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 00:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 00:33	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 00:33	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 00:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 00:33	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 00:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 00:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 00:33	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 00:33	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 00:33	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 00:33	1
Trichlorofluoromethane	ND	UJ	1.0	0.25	ug/L			04/22/25 00:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 00:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 00:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 00:33	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 00:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 00:33	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/22/25 00:33*	*1*
Dibromofluoromethane	*89*		*79 - 130*		*04/22/25 00:33*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*04/22/25 00:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.086	ug/L		04/15/25 07:00	04/22/25 23:07	1
Aniline	ND		10	0.75	ug/L		04/15/25 07:00	04/22/25 23:07	1
Aniline	ND	H	9.8	0.73	ug/L		05/02/25 10:41	05/06/25 21:41	1
Acenaphthylene	ND		0.20	0.048	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzenethiol	ND	UJ	10	0.61	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzenethiol	ND	H *1	9.8	0.59	ug/L		05/02/25 10:41	05/06/25 21:41	1
Anthracene	ND		0.20	0.074	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzoic acid	ND	UJ	30	27	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzoic acid	**28**	**J H**	30	27	ug/L		05/02/25 10:41	05/06/25 21:41	1
Benzo[a]anthracene	ND		0.20	0.041	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzyl alcohol	ND		10	1.9	ug/L		04/15/25 07:00	04/22/25 23:07	1
Benzyl alcohol	ND	H	9.8	1.8	ug/L		05/02/25 10:41	05/06/25 21:41	1
Benzo[a]pyrene	ND		0.20	0.046	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-chloroethoxy)methane	ND	H	9.8	0.33	ug/L		05/02/25 10:41	05/06/25 21:41	1
Benzo[b]fluoranthene	ND		0.20	0.043	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-chloroethyl)ether	ND	H	9.8	0.14	ug/L		05/02/25 10:41	05/06/25 21:41	1
Benzo[g,h,i]perylene	ND		0.20	0.053	ug/L		04/15/25 07:00	04/22/25 23:07	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/15/25 07:00	04/22/25 23:07	1
bis (2-chloroisopropyl) ether	ND	H	9.8	0.20	ug/L		05/02/25 10:41	05/06/25 21:41	1

Client Sample ID: MW26-ROX-040825
Date Collected: 04/08/25 12:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.041	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-ethylhexyl) phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Bis(2-ethylhexyl) phthalate	ND	H	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Bromophenyl phenyl ether	ND	H *-	9.8	0.13	ug/L		05/02/25 10:41	05/06/25 21:41	1
Chrysene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 23:07	1
Butyl benzyl phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Butyl benzyl phthalate	ND	H	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
Dibenz(a,h)anthracene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chloroaniline	ND		10	0.28	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chloroaniline	ND	H	9.8	0.28	ug/L		05/02/25 10:41	05/06/25 21:41	1
Fluoranthene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chloro-3-methylphenol	ND	UJ	10	0.74	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chloro-3-methylphenol	ND	H	9.8	0.72	ug/L		05/02/25 10:41	05/06/25 21:41	1
Fluorene	ND		0.20	0.088	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Chloronaphthalene	ND	*+	10	0.39	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Chloronaphthalene	ND	H	9.8	0.37	ug/L		05/02/25 10:41	05/06/25 21:41	1
2-Chlorophenol	ND	UJ	10	0.22	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Chlorophenol	ND	H	9.8	0.22	ug/L		05/02/25 10:41	05/06/25 21:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 23:07	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Chlorophenyl phenyl ether	ND	H *-	9.8	0.24	ug/L		05/02/25 10:41	05/06/25 21:41	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		04/15/25 07:00	04/22/25 23:07	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		04/15/25 07:00	04/22/25 23:07	1
Dibenz[a,h]acridine	ND	H	9.8	0.68	ug/L		05/02/25 10:41	05/06/25 21:41	1
Dibenzofuran	ND		10	0.15	ug/L		04/15/25 07:00	04/22/25 23:07	1
Dibenzofuran	ND	H *-	9.8	0.15	ug/L		05/02/25 10:41	05/06/25 21:41	1
3,3'-Dichlorobenzidine	ND		11	0.42	ug/L		04/15/25 07:00	04/22/25 23:07	1
3,3'-Dichlorobenzidine	ND	H	11	0.40	ug/L		05/02/25 10:41	05/06/25 21:41	1
Phenanthrene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4-Dichlorophenol	ND	UJ	10	0.58	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4-Dichlorophenol	ND	H	9.8	0.56	ug/L		05/02/25 10:41	05/06/25 21:41	1
Pyrene	ND		0.20	0.096	ug/L		04/15/25 07:00	04/22/25 23:07	1
Diethyl phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Diethyl phthalate	ND	H *-	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,4-Dimethylphenol	ND	UJ	10	0.24	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4-Dimethylphenol	ND	H	9.8	0.24	ug/L		05/02/25 10:41	05/06/25 21:41	1
Dimethyl phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Dimethyl phthalate	ND	H *-	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
Di-n-butyl phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Di-n-butyl phthalate	ND	H	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		04/15/25 07:00	04/22/25 23:07	1
4,6-Dinitro-ortho-cresol	ND	H	9.8	1.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4-Dinitrophenol	ND	H	30	4.6	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4-Dinitrotoluene	ND	H	9.8	0.64	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/15/25 07:00	04/22/25 23:07	1

Client Sample ID: MW26-ROX-040825
Date Collected: 04/08/25 12:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274049-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	H	9.8	0.29	ug/L		05/02/25 10:41	05/06/25 21:41	1
Di-n-octyl phthalate	ND		10	4.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
Di-n-octyl phthalate	ND	H	9.8	3.9	ug/L		05/02/25 10:41	05/06/25 21:41	1
1,4-Dioxane	ND		10	0.071	ug/L		04/15/25 07:00	04/22/25 23:07	1
1,4-Dioxane	ND	H	9.8	0.069	ug/L		05/02/25 10:41	05/06/25 21:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/15/25 07:00	04/22/25 23:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.8	0.31	ug/L		05/02/25 10:41	05/06/25 21:41	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/15/25 07:00	04/22/25 23:07	1
Hexachlorobenzene	ND	H *-	9.8	0.25	ug/L		05/02/25 10:41	05/06/25 21:41	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/15/25 07:00	04/22/25 23:07	1
Hexachlorocyclopentadiene	ND	H	20	0.31	ug/L		05/02/25 10:41	05/06/25 21:41	1
Hexachloroethane	ND		10	0.54	ug/L		04/15/25 07:00	04/22/25 23:07	1
Hexachloroethane	ND	H	9.8	0.52	ug/L		05/02/25 10:41	05/06/25 21:41	1
Indene	ND		10	0.45	ug/L		04/15/25 07:00	04/22/25 23:07	1
Indene	ND	H	9.8	0.43	ug/L		05/02/25 10:41	05/06/25 21:41	1
Isophorone	ND		10	0.81	ug/L		04/15/25 07:00	04/22/25 23:07	1
Isophorone	ND	H	9.8	0.79	ug/L		05/02/25 10:41	05/06/25 21:41	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Methylphenol	ND	H	9.8	0.30	ug/L		05/02/25 10:41	05/06/25 21:41	1
3 & 4 Methylphenol	ND	UJ	20	0.18	ug/L		04/15/25 07:00	04/22/25 23:07	1
3 & 4 Methylphenol	ND	H	20	0.18	ug/L		05/02/25 10:41	05/06/25 21:41	1
2-Nitroaniline	ND		10	1.4	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Nitroaniline	ND	H	9.8	1.3	ug/L		05/02/25 10:41	05/06/25 21:41	1
3-Nitroaniline	ND		10	0.96	ug/L		04/15/25 07:00	04/22/25 23:07	1
3-Nitroaniline	ND	H	9.8	0.93	ug/L		05/02/25 10:41	05/06/25 21:41	1
4-Nitroaniline	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Nitroaniline	ND	H	9.8	1.2	ug/L		05/02/25 10:41	05/06/25 21:41	1
Nitrobenzene	ND		10	0.61	ug/L		04/15/25 07:00	04/22/25 23:07	1
Nitrobenzene	ND	H	9.8	0.59	ug/L		05/02/25 10:41	05/06/25 21:41	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		04/15/25 07:00	04/22/25 23:07	1
2-Nitrophenol	ND	H	9.8	1.2	ug/L		05/02/25 10:41	05/06/25 21:41	1
4-Nitrophenol	ND	UJ	10	2.8	ug/L		04/15/25 07:00	04/22/25 23:07	1
4-Nitrophenol	ND	H	9.8	2.7	ug/L		05/02/25 10:41	05/06/25 21:41	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/15/25 07:00	04/22/25 23:07	1
N-Nitrosodimethylamine	ND	H	9.8	0.23	ug/L		05/02/25 10:41	05/06/25 21:41	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/15/25 07:00	04/22/25 23:07	1
N-Nitrosodi-n-propylamine	ND	H	9.8	0.32	ug/L		05/02/25 10:41	05/06/25 21:41	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/15/25 07:00	04/22/25 23:07	1
N-Nitrosodiphenylamine	ND	H *-	9.8	0.19	ug/L		05/02/25 10:41	05/06/25 21:41	1
Pentachlorophenol	ND	UJ	10	0.42	ug/L		04/15/25 07:00	04/22/25 23:07	1
Pentachlorophenol	ND	H	9.8	0.40	ug/L		05/02/25 10:41	05/06/25 21:41	1
Phenol	ND	UJ	10	0.27	ug/L		04/15/25 07:00	04/22/25 23:07	1
Phenol	ND	H	9.8	0.27	ug/L		05/02/25 10:41	05/06/25 21:41	1
Pyridine	ND	UJ	10	0.65	ug/L		04/15/25 07:00	04/22/25 23:07	1
Pyridine	ND	H	9.8	0.63	ug/L		05/02/25 10:41	05/06/25 21:41	1
Quinoline	ND		10	0.51	ug/L		04/15/25 07:00	04/22/25 23:07	1
Quinoline	ND	H *-	9.8	0.49	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,4,5-Trichlorophenol	ND	UJ	10	0.55	ug/L		04/15/25 07:00	04/22/25 23:07	1

Client Sample ID: MW26-ROX-040825
Lab Sample ID: 400-274049-5

Date Collected: 04/08/25 12:05
Matrix: Water

Date Received: 04/09/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	9.8	0.53	ug/L		05/02/25 10:41	05/06/25 21:41	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		04/15/25 07:00	04/22/25 23:07	1
2,4,6-Trichlorophenol	ND	H	9.8	1.1	ug/L		05/02/25 10:41	05/06/25 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
2-Fluorobiphenyl	*81*		*15 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
2-Fluorobiphenyl	*74*		*15 - 150*	*05/02/25 10:41*	*05/06/25 21:41*	*1*
2-Fluorophenol	*1*	*S1-*	*10 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
2-Fluorophenol	*22*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:41*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*05/02/25 10:41*	*05/06/25 21:41*	*1*
Phenol-d5	*2*	*S1-*	*10 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
Phenol-d5	*12*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:41*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
Terphenyl-d14	*71*		*43 - 147*	*05/02/25 10:41*	*05/06/25 21:41*	*1*
2,4,6-Tribromophenol	*28*		*10 - 150*	*04/15/25 07:00*	*04/22/25 23:07*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*05/02/25 10:41*	*05/06/25 21:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	9.8	0.73	ug/L		05/09/25 07:00	05/11/25 01:17	1
4-Bromophenyl phenyl ether	ND	H	9.8	0.13	ug/L		05/09/25 07:00	05/11/25 01:17	1
4-Chlorophenyl phenyl ether	ND	H	9.8	0.24	ug/L		05/09/25 07:00	05/11/25 01:17	1
Dibenzofuran	ND	H	9.8	0.15	ug/L		05/09/25 07:00	05/11/25 01:17	1
Diethyl phthalate	ND	H *-	9.8	3.9	ug/L		05/09/25 07:00	05/11/25 01:17	1
Dimethyl phthalate	ND	H	9.8	3.9	ug/L		05/09/25 07:00	05/11/25 01:17	1
Hexachlorobenzene	ND	H	9.8	0.25	ug/L		05/09/25 07:00	05/11/25 01:17	1
N-Nitrosodiphenylamine	ND	H	9.8	0.19	ug/L		05/09/25 07:00	05/11/25 01:17	1
Quinoline	ND	H	9.8	0.49	ug/L		05/09/25 07:00	05/11/25 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*15 - 150*	*05/09/25 07:00*	*05/11/25 01:17*	*1*
2-Fluorophenol	*59*		*10 - 150*	*05/09/25 07:00*	*05/11/25 01:17*	*1*
Nitrobenzene-d5	*63*		*50 - 150*	*05/09/25 07:00*	*05/11/25 01:17*	*1*
Phenol-d5	*53*		*10 - 150*	*05/09/25 07:00*	*05/11/25 01:17*	*1*
Terphenyl-d14	*42*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/11/25 01:17*	*1*
2,4,6-Tribromophenol	*59*		*10 - 150*	*05/09/25 07:00*	*05/11/25 01:17*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/14/25 13:53	04/14/25 17:53	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/14/25 13:53	04/14/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/14/25 13:53*	*04/14/25 17:53*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-274049-1
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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274049-1

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)
400-274049-1	TB-ROX-040825-8260	104	92	101
400-274049-3	MW16-ROX-040825	109	91	102
400-274049-3 MS	MW16-ROX-040825	107	93	101
400-274049-3 MSD	MW16-ROX-040825	109	95	102
400-274049-4	MW12-ROX-040825	108	91	103
400-274049-5	MW26-ROX-040825	108	89	102
LCS 400-706502/1002	Lab Control Sample	111	92	103
MB 400-706502/4	Method Blank	107	90	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274049-3	MW16-ROX-040825	75	75	74	74	64	64	87	80
400-274049-3 MS	MW16-ROX-040825	67	67	72	72	55	55	79	75
400-274049-3 MSD	MW16-ROX-040825	73	73	80	80	63	63	90	70
400-274049-4	MW12-ROX-040825	83	83	82	82	68	68	2 S1-	4 S1-
400-274049-4	MW12-ROX-040825	72	72	87	87	71	71	33	18
400-274049-4 - RERA	MW12-ROX-040825	56	56	62	62	41 S1-	41 S1-	66	66
400-274049-5	MW26-ROX-040825	81	81	83	83	68	68	1 S1-	2 S1-
400-274049-5	MW26-ROX-040825	74	74	88	88	71	71	22	12
400-274049-5 - RERA	MW26-ROX-040825	54	54	63	63	42 S1-	42 S1-	59	53
LCS 400-705687/2-A	Lab Control Sample	73	73	75	75	60	60	96	99
LCS 400-705687/49-A	Lab Control Sample	81	81	82	82	69	69	96	84
LCS 400-707847/2-A	Lab Control Sample	65	65	78	78	65	65	95	103
LCS 400-707847/4-A	Lab Control Sample	74	74	89	89	77	77	109	103
LCS 400-708675/2-A	Lab Control Sample	55	55	65	65	65	65	70	78
LCS 400-708675/3-A	Lab Control Sample	52	52	63	63	66	66	82	91
LCSD 400-705687/3-A	Lab Control Sample Dup	74	74	73	73	60	60	92	88
LCSD 400-705687/50-A	Lab Control Sample Dup	82	82	83	83	67	67	102	90
LCSD 400-707847/3-A	Lab Control Sample Dup	66	66	79	79	66	66	93	87
LCSD 400-707847/5-A	Lab Control Sample Dup	74	74	87	87	77	77	108	109
MB 400-705687/48-A	Method Blank	78	78	83	83	70	70	97	94
MB 400-707847/1-A	Method Blank	73	73	89	89	75	75	110	98
MB 400-708675/1-A	Method Blank	55	55	68	68	67	67	80	84

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274049-3	MW16-ROX-040825	75
400-274049-3 MS	MW16-ROX-040825	60
400-274049-3 MSD	MW16-ROX-040825	79
400-274049-4	MW12-ROX-040825	20
400-274049-4	MW12-ROX-040825	81

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)
400-274049-4 - RERA	MW12-ROX-040825	70
400-274049-5	MW26-ROX-040825	28
400-274049-5	MW26-ROX-040825	77
400-274049-5 - RERA	MW26-ROX-040825	59
LCS 400-705687/2-A	Lab Control Sample	89
LCS 400-705687/49-A	Lab Control Sample	79
LCS 400-707847/2-A	Lab Control Sample	90
LCS 400-707847/4-A	Lab Control Sample	95
LCS 400-708675/2-A	Lab Control Sample	74
LCS 400-708675/3-A	Lab Control Sample	67
LCSD 400-705687/3-A	Lab Control Sample Dup	76
LCSD 400-705687/50-A	Lab Control Sample Dup	81
LCSD 400-707847/3-A	Lab Control Sample Dup	96
LCSD 400-707847/5-A	Lab Control Sample Dup	102
MB 400-705687/48-A	Method Blank	87
MB 400-707847/1-A	Method Blank	104
MB 400-708675/1-A	Method Blank	71

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274049-2	TB-ROX-040825-8011	90
400-274049-3	MW16-ROX-040825	75
400-274049-3 MS	MW16-ROX-040825	63
400-274049-3 MSD	MW16-ROX-040825	62
400-274049-4	MW12-ROX-040825	74
400-274049-5	MW26-ROX-040825	73
LCS 400-705569/2-A	Lab Control Sample	87
LCSD 400-705569/3-A	Lab Control Sample Dup	101
MB 400-705569/1-A	Method Blank	114

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274049-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274049-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040825-8260
Lab Sample ID: 400-274049-1
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 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	706502	04/21/25 23:44	WPD	EET PEN

Client Sample ID: TB-ROX-040825-8011
Lab Sample ID: 400-274049-2
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 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	8011			33.7 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 16:05	KR	EET PEN

Client Sample ID: MW16-ROX-040825
Lab Sample ID: 400-274049-3
Date Collected: 04/08/25 09:30
Matrix: Water
Date Received: 04/09/25 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	706502	04/21/25 16:51	WPD	EET PEN
Total/NA	Prep	3511			32.2 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 21:08	JAW	EET PEN
Total/NA	Prep	3511			32.2 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 21:08	JAW	EET PEN
Total/NA	Prep	8011			34.4 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 16:26	KR	EET PEN

Client Sample ID: MW12-ROX-040825
Lab Sample ID: 400-274049-4
Date Collected: 04/08/25 10:50
Matrix: Water
Date Received: 04/09/25 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	706502	04/22/25 00:08	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	707847	05/02/25 10:41	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 21:09	S1B	EET PEN
Total/NA	Prep	3511	RERA		29.3 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E	RERA	1			708746	05/11/25 00:46	JAW	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 22:37	JAW	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 22:37	JAW	EET PEN
Total/NA	Prep	8011			34.1 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 17:31	KR	EET PEN

Client Sample ID: MW26-ROX-040825
Lab Sample ID: 400-274049-5
Date Collected: 04/08/25 12:05
Matrix: Water
Date Received: 04/09/25 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	706502	04/22/25 00:33	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	707847	05/02/25 10:41	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 21:41	S1B	EET PEN
Total/NA	Prep	3511	RERA		30.6 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E	RERA	1			708746	05/11/25 01:17	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 23:07	JAW	EET PEN
Total/NA	Prep	3511			29.6 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 23:07	JAW	EET PEN
Total/NA	Prep	8011			33.2 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 17:53	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705569/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705569	04/14/25 08:54	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 11:13	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705687/48-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	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 18:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 18:39	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706502/4
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	706502	04/21/25 15:38	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707847/1-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	707847	05/01/25 18:32	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 18:31	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274049-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708675/1-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 17:07	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705569/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705569	04/14/25 08:54	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 11:35	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705687/2-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	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 19:08	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 19:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705687/49-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	705687	04/15/25 12:44	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 20:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706502/1002
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	706502	04/21/25 14:42	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707847/2-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	707847	05/01/25 18:32	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 19:02	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274049-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707847/4-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	707847	05/01/25 18:32	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 20:06	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708675/2-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 17:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708675/3-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 18:09	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705569/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705569	04/14/25 08:54	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 11:56	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705687/3-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	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 19:38	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705687/50-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	705687	04/15/25 12:44	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 20:38	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274049-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707847/3-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	707847	05/01/25 18:32	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 19:34	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707847/5-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	707847	05/01/25 18:32	RAW	EET PEN
Total/NA	Analysis	8270E		1			708271	05/06/25 20:38	S1B	EET PEN

Client Sample ID: MW16-ROX-040825
Lab Sample ID: 400-274049-3 MS
Date Collected: 04/08/25 09:30
Matrix: Water
Date Received: 04/09/25 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	706502	04/21/25 18:28	WPD	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 21:38	JAW	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 21:38	JAW	EET PEN
Total/NA	Prep	8011			33.4 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 16:48	KR	EET PEN

Client Sample ID: MW16-ROX-040825
Lab Sample ID: 400-274049-3 MSD
Date Collected: 04/08/25 09:30
Matrix: Water
Date Received: 04/09/25 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	706502	04/21/25 18:53	WPD	EET PEN
Total/NA	Prep	3511			29.5 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 22:08	JAW	EET PEN
Total/NA	Prep	3511			29.5 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 22:08	JAW	EET PEN
Total/NA	Prep	8011			33.4 mL	35 mL	705569	04/14/25 13:53	KR	EET PEN
Total/NA	Analysis	8011		1			705579	04/14/25 17:09	KR	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: 400-274049-1

GC/MS VOA

Analysis Batch: 706502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-1	TB-ROX-040825-8260	Total/NA	Water	8260D	
400-274049-3	MW16-ROX-040825	Total/NA	Water	8260D	
400-274049-4	MW12-ROX-040825	Total/NA	Water	8260D	
400-274049-5	MW26-ROX-040825	Total/NA	Water	8260D	
MB 400-706502/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706502/1002	Lab Control Sample	Total/NA	Water	8260D	
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	8260D	
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 705687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-3	MW16-ROX-040825	Total/NA	Water	3511	
400-274049-4	MW12-ROX-040825	Total/NA	Water	3511	
400-274049-5	MW26-ROX-040825	Total/NA	Water	3511	
MB 400-705687/48-A	Method Blank	Total/NA	Water	3511	
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-705687/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-705687/50-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	3511	
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	3511	

Analysis Batch: 706656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-3	MW16-ROX-040825	Total/NA	Water	8270E	705687
400-274049-4	MW12-ROX-040825	Total/NA	Water	8270E	705687
400-274049-5	MW26-ROX-040825	Total/NA	Water	8270E	705687
MB 400-705687/48-A	Method Blank	Total/NA	Water	8270E	705687
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	8270E	705687
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	8270E	705687

Analysis Batch: 706657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-3	MW16-ROX-040825	Total/NA	Water	8270E	705687
400-274049-4	MW12-ROX-040825	Total/NA	Water	8270E	705687
400-274049-5	MW26-ROX-040825	Total/NA	Water	8270E	705687
MB 400-705687/48-A	Method Blank	Total/NA	Water	8270E	705687
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCS 400-705687/49-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687
LCSD 400-705687/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	8270E	705687
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	8270E	705687

Prep Batch: 707847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-4	MW12-ROX-040825	Total/NA	Water	3511	

GC/MS Semi VOA (Continued)

Prep Batch: 707847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-5	MW26-ROX-040825	Total/NA	Water	3511	
MB 400-707847/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-707847/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-707847/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-707847/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-707847/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 708271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-4	MW12-ROX-040825	Total/NA	Water	8270E	707847
400-274049-5	MW26-ROX-040825	Total/NA	Water	8270E	707847
MB 400-707847/1-A	Method Blank	Total/NA	Water	8270E	707847
LCS 400-707847/2-A	Lab Control Sample	Total/NA	Water	8270E	707847
LCS 400-707847/4-A	Lab Control Sample	Total/NA	Water	8270E	707847
LCSD 400-707847/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	707847
LCSD 400-707847/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	707847

Prep Batch: 708675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-4 - RERA	MW12-ROX-040825	Total/NA	Water	3511	
400-274049-5 - RERA	MW26-ROX-040825	Total/NA	Water	3511	
MB 400-708675/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-708675/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-708675/3-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 708746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-4 - RERA	MW12-ROX-040825	Total/NA	Water	8270E	708675
400-274049-5 - RERA	MW26-ROX-040825	Total/NA	Water	8270E	708675
MB 400-708675/1-A	Method Blank	Total/NA	Water	8270E	708675
LCS 400-708675/2-A	Lab Control Sample	Total/NA	Water	8270E	708675
LCS 400-708675/3-A	Lab Control Sample	Total/NA	Water	8270E	708675

GC Semi VOA

Prep Batch: 705569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-2	TB-ROX-040825-8011	Total/NA	Water	8011	
400-274049-3	MW16-ROX-040825	Total/NA	Water	8011	
400-274049-4	MW12-ROX-040825	Total/NA	Water	8011	
400-274049-5	MW26-ROX-040825	Total/NA	Water	8011	
MB 400-705569/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-705569/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-705569/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	8011	
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	8011	

Analysis Batch: 705579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-2	TB-ROX-040825-8011	Total/NA	Water	8011	705569
400-274049-3	MW16-ROX-040825	Total/NA	Water	8011	705569

GC Semi VOA (Continued)

Analysis Batch: 705579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274049-4	MW12-ROX-040825	Total/NA	Water	8011	705569
400-274049-5	MW26-ROX-040825	Total/NA	Water	8011	705569
MB 400-705569/1-A	Method Blank	Total/NA	Water	8011	705569
LCS 400-705569/2-A	Lab Control Sample	Total/NA	Water	8011	705569
LCSD 400-705569/3-A	Lab Control Sample Dup	Total/NA	Water	8011	705569
400-274049-3 MS	MW16-ROX-040825	Total/NA	Water	8011	705569
400-274049-3 MSD	MW16-ROX-040825	Total/NA	Water	8011	705569

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

Lab Sample ID: MB 400-706502/4
Matrix: Water
Analysis Batch: 706502

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/21/25 15:38	1
Acrolein	ND		20	3.3	ug/L			04/21/25 15:38	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 15:38	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/25 15:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 15:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 15:38	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 15:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/25 15:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/21/25 15:38	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/21/25 15:38	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 15:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/25 15:38	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 15:38	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/21/25 15:38	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 15:38	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/21/25 15:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 15:38	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 15:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/25 15:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/25 15:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/25 15:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 15:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/21/25 15:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 15:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/21/25 15:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 15:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/25 15:38	1
2-Hexanone	ND		25	4.3	ug/L			04/21/25 15:38	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/25 15:38	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 15:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 15:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 15:38	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/21/25 15:38	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/21/25 15:38	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 15:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/25 15:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/25 15:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/25 15:38	1
o-Xylene	ND		5.0	3.0	ug/L			04/21/25 15:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/25 15:38	1

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

Lab Sample ID: MB 400-706502/4
Matrix: Water
Analysis Batch: 706502

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/25 15:38	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/21/25 15:38	1
Styrene	ND		1.0	1.0	ug/L			04/21/25 15:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/25 15:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/21/25 15:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/21/25 15:38	1
Toluene	ND		1.0	0.90	ug/L			04/21/25 15:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 15:38	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 15:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/21/25 15:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/25 15:38	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 15:38	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 15:38	1
Trichloroethene	ND		1.0	0.15	ug/L			04/21/25 15:38	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/21/25 15:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 15:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/25 15:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/25 15:38	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 15:38	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 15:38	1
Xylenes, Total	ND		10	6.0	ug/L			04/21/25 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/21/25 15:38*	*1*
Dibromofluoromethane	*90*		*79 - 130*		*04/21/25 15:38*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/21/25 15:38*	*1*

Lab Sample ID: LCS 400-706502/1002
Matrix: Water
Analysis Batch: 706502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	258		ug/L		129	43 - 150
Acrolein	500	472		ug/L		94	38 - 150
Acrylonitrile	500	573		ug/L		115	64 - 142
Benzene	50.0	47.2		ug/L		94	70 - 130
Bromobenzene	50.0	47.7		ug/L		95	70 - 132
Bromochloromethane	50.0	44.1		ug/L		88	70 - 130
Bromodichloromethane	50.0	41.6		ug/L		83	67 - 133
Bromoform	50.0	42.1		ug/L		84	57 - 140
Bromomethane	50.0	36.3		ug/L		73	10 - 150
2-Butanone (MEK)	200	218		ug/L		109	61 - 145
Carbon disulfide	50.0	47.3		ug/L		95	61 - 137
Carbon tetrachloride	50.0	39.4		ug/L		79	61 - 137
Chlorobenzene	50.0	46.3		ug/L		93	70 - 130
Chloroethane	50.0	45.3		ug/L		91	55 - 141
2-Chloroethyl vinyl ether	50.0	41.2		ug/L		82	10 - 150

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

Lab Sample ID: LCS 400-706502/1002
Matrix: Water
Analysis Batch: 706502

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	43.9		ug/L		88	69 - 130
1-Chlorohexane	50.0	51.6		ug/L		103	69 - 130
Chloromethane	50.0	46.4		ug/L		93	58 - 137
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	68 - 130
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	69 - 132
Dibromochloromethane	50.0	43.7		ug/L		87	67 - 135
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	67 - 130
1,3-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	33.8		ug/L		68	41 - 146
1,1-Dichloroethane	50.0	47.4		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	39.4		ug/L		79	69 - 130
1,1-Dichloroethene	50.0	51.9		ug/L		104	63 - 134
1,2-Dichloropropane	50.0	47.9		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	40.4		ug/L		81	52 - 135
1,1-Dichloropropene	50.0	44.5		ug/L		89	70 - 130
Ethylbenzene	50.0	49.4		ug/L		99	70 - 130
Ethyl methacrylate	50.0	50.7		ug/L		101	68 - 130
Hexachlorobutadiene	50.0	48.1		ug/L		96	53 - 140
2-Hexanone	200	248		ug/L		124	65 - 137
Isopropylbenzene	50.0	49.4		ug/L		99	70 - 130
Methylene bromide	50.0	45.5		ug/L		91	70 - 130
Methylene Chloride	50.0	51.4		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	209		ug/L		105	69 - 138
Methyl tert-butyl ether	50.0	47.8		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	47.8		ug/L		96	70 - 130
Naphthalene	50.0	50.2		ug/L		100	47 - 149
n-Butylbenzene	50.0	60.0		ug/L		120	67 - 130
N-Propylbenzene	50.0	54.9		ug/L		110	70 - 130
o-Chlorotoluene	50.0	54.8		ug/L		110	70 - 130
o-Xylene	50.0	48.9		ug/L		98	70 - 130
p-Chlorotoluene	50.0	54.5		ug/L		109	70 - 130
p-Isopropyltoluene	50.0	54.9		ug/L		110	65 - 130
sec-Butylbenzene	50.0	56.4		ug/L		113	66 - 130
Styrene	50.0	47.6		ug/L		95	70 - 130
tert-Butylbenzene	50.0	53.3		ug/L		107	64 - 139
1,1,1,2-Tetrachloroethane	50.0	42.8		ug/L		86	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.6		ug/L		111	70 - 131
Tetrachloroethene	50.0	42.6		ug/L		85	65 - 130
Toluene	50.0	48.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	63 - 130
1,2,3-Trichlorobenzene	50.0	44.7		ug/L		89	60 - 138
1,2,4-Trichlorobenzene	50.0	46.7		ug/L		93	60 - 140
1,1,1-Trichloroethane	50.0	40.2		ug/L		80	68 - 130
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	70 - 130
Trichloroethene	50.0	42.9		ug/L		86	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 400-706502/1002
Matrix: Water
Analysis Batch: 706502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	51.5		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	54.5		ug/L		109	69 - 130
Vinyl acetate	100	96.3		ug/L		96	26 - 150
Vinyl chloride	50.0	44.3		ug/L		89	59 - 136
Xylenes, Total	100	96.7		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 706502

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	65.3	F1	ug/L		33	43 - 150
Acrolein	ND		500	342		ug/L		68	38 - 150
Acrylonitrile	ND		500	424		ug/L		85	62 - 149
Benzene	ND		50.0	32.8		ug/L		66	56 - 142
Bromobenzene	ND	F1	50.0	24.0	F1	ug/L		48	59 - 136
Bromochloromethane	ND		50.0	32.3		ug/L		65	64 - 140
Bromodichloromethane	ND		50.0	29.7		ug/L		59	59 - 143
Bromoform	ND		50.0	26.4		ug/L		53	50 - 140
Bromomethane	ND		50.0	24.6		ug/L		49	10 - 150
2-Butanone (MEK)	ND	F1	200	79.0	F1	ug/L		40	55 - 150
Carbon disulfide	ND		50.0	33.3		ug/L		67	48 - 150
Carbon tetrachloride	ND	F1	50.0	27.0	F1	ug/L		54	55 - 145
Chlorobenzene	ND	F1	50.0	25.4	F1	ug/L		51	64 - 130
Chloroethane	ND		50.0	29.6		ug/L		59	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	30.9		ug/L		62	60 - 141
1-Chlorohexane	ND	F1	50.0	25.2	F1	ug/L		50	56 - 136
Chloromethane	ND		50.0	32.9		ug/L		66	49 - 148
cis-1,2-Dichloroethene	ND		50.0	34.0		ug/L		68	59 - 143
cis-1,3-Dichloropropene	ND		50.0	30.0		ug/L		60	57 - 140
Dibromochloromethane	ND		50.0	28.2		ug/L		56	56 - 143
1,2-Dichlorobenzene	ND	F1	50.0	23.0	F1	ug/L		46	52 - 137
1,3-Dichlorobenzene	ND	F1	50.0	21.5	F1	ug/L		43	54 - 135
1,4-Dichlorobenzene	ND	F1	50.0	21.2	F1	ug/L		42	53 - 135
Dichlorodifluoromethane	ND		50.0	24.1		ug/L		48	16 - 150
1,1-Dichloroethane	ND		50.0	34.3		ug/L		69	61 - 144
1,2-Dichloroethane	ND	F1	50.0	28.1	F1	ug/L		56	60 - 141
1,1-Dichloroethene	ND		50.0	35.7		ug/L		71	54 - 147
1,2-Dichloropropane	ND		50.0	33.4		ug/L		67	66 - 137
1,3-Dichloropropane	ND		50.0	33.8		ug/L		68	66 - 133
2,2-Dichloropropane	ND		50.0	29.3		ug/L		59	42 - 144

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

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 706502

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	ND	F1	50.0	30.3	F1	ug/L		61	65 - 136
Ethylbenzene	ND	F1	50.0	25.3	F1	ug/L		51	58 - 131
Ethyl methacrylate	ND		50.0	35.4		ug/L		71	64 - 130
Hexachlorobutadiene	ND	F1	50.0	13.4	F1	ug/L		27	31 - 149
2-Hexanone	ND	F1	200	110	F1	ug/L		55	65 - 140
Isopropylbenzene	ND	F1	50.0	22.5	F1	ug/L		45	56 - 133
Methylene bromide	ND		50.0	31.6		ug/L		63	63 - 138
Methylene Chloride	ND		50.0	36.8		ug/L		74	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	142		ug/L		71	63 - 146
Methyl tert-butyl ether	ND		50.0	36.1		ug/L		72	59 - 137
m-Xylene & p-Xylene	ND	F1	50.0	23.9	F1	ug/L		48	57 - 130
Naphthalene	ND		50.0	24.2		ug/L		48	25 - 150
n-Butylbenzene	ND	F1	50.0	19.0	F1	ug/L		38	41 - 142
N-Propylbenzene	ND	F1	50.0	22.6	F1	ug/L		45	51 - 138
o-Chlorotoluene	ND	F1	50.0	24.0	F1	ug/L		48	53 - 134
o-Xylene	ND	F1	50.0	24.8	F1	ug/L		50	61 - 130
p-Chlorotoluene	ND	F1	50.0	22.8	F1	ug/L		46	54 - 133
p-Isopropyltoluene	ND	F1	50.0	19.3	F1	ug/L		39	48 - 139
sec-Butylbenzene	ND	F1	50.0	21.7	F1	ug/L		43	50 - 138
Styrene	ND	F1	50.0	24.1	F1	ug/L		48	58 - 131
tert-Butylbenzene	ND	F1	50.0	24.0	F1	ug/L		48	54 - 146
1,1,1,2-Tetrachloroethane	ND	F1	50.0	26.5	F1	ug/L		53	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	36.2		ug/L		72	66 - 135
Tetrachloroethene	ND	F1	50.0	23.3	F1	ug/L		47	52 - 133
Toluene	ND	F1	50.0	28.6	F1	ug/L		57	65 - 130
trans-1,2-Dichloroethene	ND		50.0	34.7		ug/L		69	61 - 143
trans-1,3-Dichloropropene	ND		50.0	29.6		ug/L		59	53 - 133
1,2,3-Trichlorobenzene	ND	F1	50.0	17.9	F1	ug/L		36	43 - 145
1,2,4-Trichlorobenzene	ND	F1	50.0	18.3	F1	ug/L		37	39 - 148
1,1,1-Trichloroethane	ND		50.0	29.2		ug/L		58	57 - 142
1,1,2-Trichloroethane	ND		50.0	35.6		ug/L		71	66 - 131
Trichloroethene	ND	F1	50.0	28.0	F1	ug/L		56	64 - 136
Trichlorofluoromethane	ND		50.0	28.4		ug/L		57	54 - 150
1,2,3-Trichloropropane	ND		50.0	34.9		ug/L		70	65 - 133
1,2,4-Trimethylbenzene	ND	F1	50.0	21.6	F1	ug/L		43	50 - 139
1,3,5-Trimethylbenzene	ND	F1	50.0	22.9	F1	ug/L		46	52 - 135
Vinyl acetate	ND		100	71.7		ug/L		72	26 - 150
Vinyl chloride	ND		50.0	30.7		ug/L		61	46 - 150
Xylenes, Total	ND	F1	100	48.8	F1	ug/L		49	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 706502

Client Sample ID: MW16-ROX-040825
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	63.9	F1	ug/L		32	43 - 150	2	30
Acrolein	ND		500	373		ug/L		75	38 - 150	9	31
Acrylonitrile	ND		500	422		ug/L		84	62 - 149	1	30
Benzene	ND		50.0	34.4		ug/L		69	56 - 142	5	30
Bromobenzene	ND	F1	50.0	25.2	F1	ug/L		50	59 - 136	5	30
Bromochloromethane	ND		50.0	33.6		ug/L		67	64 - 140	4	30
Bromodichloromethane	ND		50.0	30.4		ug/L		61	59 - 143	3	30
Bromoform	ND		50.0	27.5		ug/L		55	50 - 140	4	30
Bromomethane	ND		50.0	29.2		ug/L		58	10 - 150	17	50
2-Butanone (MEK)	ND	F1	200	85.3	F1	ug/L		43	55 - 150	8	30
Carbon disulfide	ND		50.0	35.9		ug/L		72	48 - 150	8	30
Carbon tetrachloride	ND	F1	50.0	28.9		ug/L		58	55 - 145	7	30
Chlorobenzene	ND	F1	50.0	27.0	F1	ug/L		54	64 - 130	6	30
Chloroethane	ND		50.0	37.1		ug/L		74	50 - 150	22	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	32.7		ug/L		65	60 - 141	6	30
1-Chlorohexane	ND	F1	50.0	26.5	F1	ug/L		53	56 - 136	5	30
Chloromethane	ND		50.0	36.2		ug/L		72	49 - 148	10	31
cis-1,2-Dichloroethene	ND		50.0	37.0		ug/L		74	59 - 143	9	30
cis-1,3-Dichloropropene	ND		50.0	32.3		ug/L		65	57 - 140	7	30
Dibromochloromethane	ND		50.0	29.2		ug/L		58	56 - 143	3	30
1,2-Dichlorobenzene	ND	F1	50.0	24.7	F1	ug/L		49	52 - 137	7	30
1,3-Dichlorobenzene	ND	F1	50.0	22.7	F1	ug/L		45	54 - 135	5	30
1,4-Dichlorobenzene	ND	F1	50.0	21.7	F1	ug/L		43	53 - 135	3	30
Dichlorodifluoromethane	ND		50.0	26.2		ug/L		52	16 - 150	9	31
1,1-Dichloroethane	ND		50.0	36.0		ug/L		72	61 - 144	5	30
1,2-Dichloroethane	ND	F1	50.0	30.2		ug/L		60	60 - 141	7	30
1,1-Dichloroethene	ND		50.0	35.2		ug/L		70	54 - 147	1	30
1,2-Dichloropropane	ND		50.0	34.9		ug/L		70	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	34.3		ug/L		69	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	31.4		ug/L		63	42 - 144	7	31
1,1-Dichloropropene	ND	F1	50.0	31.4	F1	ug/L		63	65 - 136	4	30
Ethylbenzene	ND	F1	50.0	26.6	F1	ug/L		53	58 - 131	5	30
Ethyl methacrylate	ND		50.0	36.5		ug/L		73	64 - 130	3	30
Hexachlorobutadiene	ND	F1	50.0	14.0	F1	ug/L		28	31 - 149	4	36
2-Hexanone	ND	F1	200	112	F1	ug/L		56	65 - 140	2	30
Isopropylbenzene	ND	F1	50.0	24.5	F1	ug/L		49	56 - 133	8	30
Methylene bromide	ND		50.0	32.5		ug/L		65	63 - 138	3	30
Methylene Chloride	ND		50.0	37.7		ug/L		75	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	148		ug/L		74	63 - 146	5	30
Methyl tert-butyl ether	ND		50.0	37.2		ug/L		74	59 - 137	3	30
m-Xylene & p-Xylene	ND	F1	50.0	25.1	F1	ug/L		50	57 - 130	5	30
Naphthalene	ND		50.0	25.9		ug/L		52	25 - 150	7	30
n-Butylbenzene	ND	F1	50.0	20.5		ug/L		41	41 - 142	8	31
N-Propylbenzene	ND	F1	50.0	23.4	F1	ug/L		47	51 - 138	3	30
o-Chlorotoluene	ND	F1	50.0	25.4	F1	ug/L		51	53 - 134	6	30
o-Xylene	ND	F1	50.0	26.3	F1	ug/L		53	61 - 130	6	30
p-Chlorotoluene	ND	F1	50.0	23.9	F1	ug/L		48	54 - 133	5	30

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

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 706502

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
p-Isopropyltoluene	ND	F1	50.0	20.6	F1	ug/L		41	48 - 139	6	30
sec-Butylbenzene	ND	F1	50.0	23.2	F1	ug/L		46	50 - 138	7	30
Styrene	ND	F1	50.0	25.5	F1	ug/L		51	58 - 131	6	30
tert-Butylbenzene	ND	F1	50.0	23.7	F1	ug/L		47	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND	F1	50.0	27.3	F1	ug/L		55	59 - 137	3	30
1,1,2,2-Tetrachloroethane	ND		50.0	37.4		ug/L		75	66 - 135	3	30
Tetrachloroethene	ND	F1	50.0	24.8	F1	ug/L		50	52 - 133	6	30
Toluene	ND	F1	50.0	29.9	F1	ug/L		60	65 - 130	4	30
trans-1,2-Dichloroethene	ND		50.0	35.2		ug/L		70	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	30.6		ug/L		61	53 - 133	3	30
1,2,3-Trichlorobenzene	ND	F1	50.0	19.8	F1	ug/L		40	43 - 145	10	30
1,2,4-Trichlorobenzene	ND	F1	50.0	18.9	F1	ug/L		38	39 - 148	4	30
1,1,1-Trichloroethane	ND		50.0	30.3		ug/L		61	57 - 142	4	30
1,1,2-Trichloroethane	ND		50.0	35.1		ug/L		70	66 - 131	2	30
Trichloroethene	ND	F1	50.0	30.0	F1	ug/L		60	64 - 136	7	30
Trichlorofluoromethane	ND		50.0	31.0		ug/L		62	54 - 150	9	30
1,2,3-Trichloropropane	ND		50.0	34.1		ug/L		68	65 - 133	2	30
1,2,4-Trimethylbenzene	ND	F1	50.0	22.8	F1	ug/L		46	50 - 139	5	30
1,3,5-Trimethylbenzene	ND	F1	50.0	24.2	F1	ug/L		48	52 - 135	5	30
Vinyl acetate	ND		100	77.1		ug/L		77	26 - 150	7	33
Vinyl chloride	ND		50.0	34.0		ug/L		68	46 - 150	10	30
Xylenes, Total	ND	F1	100	51.3	F1	ug/L		51	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/15/25 07:00	04/22/25 18:39	1
Aniline	ND		10	0.74	ug/L		04/15/25 07:00	04/22/25 18:39	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzenethiol	ND		10	0.60	ug/L		04/15/25 07:00	04/22/25 18:39	1
Anthracene	ND		0.20	0.073	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzoic acid	ND		30	27	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzyl alcohol	ND		10	1.9	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/15/25 07:00	04/22/25 18:39	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/15/25 07:00	04/22/25 18:39	1

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/15/25 07:00	04/22/25 18:39	1
Chrysene	ND		0.20	0.039	ug/L		04/15/25 07:00	04/22/25 18:39	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chloroaniline	ND		10	0.28	ug/L		04/15/25 07:00	04/22/25 18:39	1
Fluoranthene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/15/25 07:00	04/22/25 18:39	1
Fluorene	ND		0.20	0.087	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Chlorophenol	ND		10	0.22	ug/L		04/15/25 07:00	04/22/25 18:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 18:39	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dibenzofuran	ND		10	0.15	ug/L		04/15/25 07:00	04/22/25 18:39	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/15/25 07:00	04/22/25 18:39	1
Phenanthrene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pyrene	ND		0.20	0.095	ug/L		04/15/25 07:00	04/22/25 18:39	1
Diethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/15/25 07:00	04/22/25 18:39	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
1,4-Dioxane	ND		10	0.070	ug/L		04/15/25 07:00	04/22/25 18:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachloroethane	ND		10	0.53	ug/L		04/15/25 07:00	04/22/25 18:39	1
Indene	ND		10	0.44	ug/L		04/15/25 07:00	04/22/25 18:39	1
Isophorone	ND		10	0.80	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Methylphenol	ND		10	0.30	ug/L		04/15/25 07:00	04/22/25 18:39	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Nitroaniline	ND		10	1.4	ug/L		04/15/25 07:00	04/22/25 18:39	1
3-Nitroaniline	ND		10	0.95	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Nitroaniline	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 18:39	1
Nitrobenzene	ND		10	0.60	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Nitrophenol	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Nitrophenol	ND		10	2.7	ug/L		04/15/25 07:00	04/22/25 18:39	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/15/25 07:00	04/22/25 18:39	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/15/25 07:00	04/22/25 18:39	1

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pentachlorophenol	ND		10	0.41	ug/L		04/15/25 07:00	04/22/25 18:39	1
Phenol	ND		10	0.27	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pyridine	ND		10	0.64	ug/L		04/15/25 07:00	04/22/25 18:39	1
Quinoline	ND		10	0.50	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/15/25 07:00	04/22/25 18:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Terphenyl-d14	*70*		*43 - 147*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2-Fluorophenol	*97*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Phenol-d5	*94*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Terphenyl-d14	*70*		*43 - 147*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*

Lab Sample ID: LCS 400-705687/2-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	15.3		ug/L		61	44 - 122
Aniline	25.0	10.3		ug/L		41	10 - 150
Acenaphthylene	25.0	16.1		ug/L		64	42 - 125
Anthracene	25.0	16.2		ug/L		65	51 - 136
Benzoic acid	214	259	E	ug/L		121	10 - 180
Benzo[a]anthracene	25.0	16.9		ug/L		68	50 - 138
Benzyl alcohol	25.0	6.90	J	ug/L		28	10 - 150
Benzo[a]pyrene	25.0	15.5		ug/L		62	53 - 134
Bis(2-chloroethoxy)methane	25.0	17.9		ug/L		72	60 - 123
Benzo[b]fluoranthene	25.0	16.8		ug/L		67	50 - 134
Bis(2-chloroethyl)ether	25.0	16.7		ug/L		67	45 - 127
Benzo[g,h,i]perylene	25.0	15.6		ug/L		62	42 - 138
bis (2-chloroisopropyl) ether	25.0	16.5		ug/L		66	10 - 150
Benzo[k]fluoranthene	25.0	15.5		ug/L		62	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	14.4		ug/L		58	10 - 147
4-Bromophenyl phenyl ether	25.0	17.4		ug/L		69	50 - 126
Chrysene	25.0	15.8		ug/L		63	53 - 141
Butyl benzyl phthalate	25.0	18.7		ug/L		75	36 - 137
Dibenz(a,h)anthracene	25.0	15.5		ug/L		62	41 - 139
4-Chloroaniline	25.0	12.2		ug/L		49	10 - 150
Fluoranthene	25.0	16.3		ug/L		65	49 - 141
4-Chloro-3-methylphenol	25.0	15.1		ug/L		61	14 - 150
Fluorene	25.0	18.3		ug/L		73	41 - 136
2-Chloronaphthalene	25.0	41.5	*+	ug/L		166	44 - 122

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

Lab Sample ID: LCS 400-705687/2-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	17.9		ug/L		71	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.2		ug/L		61	30 - 150
1-Methylnaphthalene	25.0	15.7		ug/L		63	36 - 117
4-Chlorophenyl phenyl ether	25.0	15.2		ug/L		61	51 - 125
2-Methylnaphthalene	25.0	16.5		ug/L		66	31 - 115
Dibenz[a,h]acridine	49.9	32.6		ug/L		65	50 - 150
Dibenzofuran	25.0	16.8		ug/L		67	55 - 125
3,3'-Dichlorobenzidine	33.3	19.1		ug/L		57	10 - 150
Phenanthrene	25.0	15.4		ug/L		62	50 - 133
2,4-Dichlorophenol	25.0	15.0		ug/L		60	11 - 150
Pyrene	25.0	15.6		ug/L		63	46 - 149
Diethyl phthalate	25.0	17.3		ug/L		69	61 - 130
2,4-Dimethylphenol	25.0	17.4		ug/L		70	5 - 150
Dimethyl phthalate	25.0	15.7		ug/L		63	55 - 139
Di-n-butyl phthalate	25.0	20.3		ug/L		81	50 - 150
4,6-Dinitro-ortho-cresol	50.0	44.8		ug/L		90	10 - 150
2,4-Dinitrophenol	50.0	38.6		ug/L		77	10 - 150
2,4-Dinitrotoluene	25.0	18.9		ug/L		75	46 - 137
2,6-Dinitrotoluene	25.0	18.4		ug/L		74	35 - 150
Di-n-octyl phthalate	25.0	17.6		ug/L		70	10 - 150
1,4-Dioxane	25.0	14.1		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.1	I	ug/L		68	49 - 125
Hexachlorobenzene	25.0	15.8		ug/L		63	53 - 126
Hexachlorocyclopentadiene	25.0	18.9	J	ug/L		76	10 - 150
Hexachloroethane	25.0	15.3		ug/L		61	10 - 112
Indene	50.0	26.4		ug/L		53	50 - 150
Isophorone	25.0	16.5		ug/L		66	51 - 125
2-Methylphenol	25.0	13.9		ug/L		56	42 - 120
3 & 4 Methylphenol	25.0	24.6		ug/L		98	10 - 150
2-Nitroaniline	25.0	19.4		ug/L		77	10 - 150
3-Nitroaniline	25.0	20.0		ug/L		80	10 - 150
4-Nitroaniline	25.0	26.3		ug/L		105	10 - 144
Nitrobenzene	25.0	16.8		ug/L		67	57 - 138
2-Nitrophenol	25.0	17.6		ug/L		70	21 - 150
4-Nitrophenol	50.0	48.5		ug/L		97	10 - 150
N-Nitrosodimethylamine	25.0	14.5		ug/L		58	10 - 136
N-Nitrosodi-n-propylamine	25.0	19.6		ug/L		78	53 - 134
N-Nitrosodiphenylamine	24.8	17.0		ug/L		68	62 - 132
Pentachlorophenol	50.0	38.6		ug/L		77	16 - 150
Phenol	25.0	23.8		ug/L		95	10 - 150
Pyridine	50.0	6.41	J	ug/L		13	10 - 150
Quinoline	49.9	33.6		ug/L		67	50 - 150
2,4,5-Trichlorophenol	25.0	17.2		ug/L		69	10 - 150
2,4,6-Trichlorophenol	25.0	18.3		ug/L		73	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*

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

Lab Sample ID: LCS 400-705687/2-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	75		50 - 150
Terphenyl-d14	60		43 - 147
2-Fluorobiphenyl	73		15 - 150
2-Fluorophenol	96		10 - 150
Nitrobenzene-d5	75		50 - 150
Phenol-d5	99		10 - 150
Terphenyl-d14	60		43 - 147
2,4,6-Tribromophenol	89		10 - 150

Lab Sample ID: LCS 400-705687/49-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	20.0		ug/L		40	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	81		15 - 150
2-Fluorophenol	96		10 - 150
Nitrobenzene-d5	82		50 - 150
Phenol-d5	84		10 - 150
Terphenyl-d14	69		43 - 147
2,4,6-Tribromophenol	79		10 - 150

Lab Sample ID: LCSD 400-705687/3-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	15.2		ug/L		61	44 - 122	1	40
Aniline			25.0	8.91	J	ug/L		36	10 - 150	15	40
Acenaphthylene			25.0	15.8		ug/L		63	42 - 125	1	40
Anthracene			25.0	16.3		ug/L		65	51 - 136	1	40
Benzoic acid			214	251	E	ug/L		117	10 - 180	3	40
Benzo[a]anthracene			25.0	16.8		ug/L		67	50 - 138	1	40
Benzyl alcohol			25.0	6.37	J	ug/L		25	10 - 150	8	40
Benzo[a]pyrene			25.0	16.0		ug/L		64	53 - 134	3	40
Bis(2-chloroethoxy)methane			25.0	17.7		ug/L		71	60 - 123	1	40
Benzo[b]fluoranthene			25.0	17.0		ug/L		68	50 - 134	1	40
Bis(2-chloroethyl)ether			25.0	16.2		ug/L		65	45 - 127	3	40
Benzo[g,h,i]perylene			25.0	16.3		ug/L		65	42 - 138	4	40
bis (2-chloroisopropyl) ether			25.0	16.5		ug/L		66	10 - 150	0	40
Benzo[k]fluoranthene			25.0	16.0		ug/L		64	55 - 136	4	40
Bis(2-ethylhexyl) phthalate			25.0	14.3		ug/L		57	10 - 147	1	40
4-Bromophenyl phenyl ether			25.0	17.1		ug/L		68	50 - 126	2	40
Chrysene			25.0	15.4		ug/L		62	53 - 141	2	40
Butyl benzyl phthalate			25.0	16.1		ug/L		65	36 - 137	14	40
Dibenz(a,h)anthracene			25.0	16.2		ug/L		65	41 - 139	4	40

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

Lab Sample ID: LCSD 400-705687/3-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	25.0	12.0		ug/L		48	10 - 150	2	40
Fluoranthene	25.0	16.1		ug/L		65	49 - 141	1	40
4-Chloro-3-methylphenol	25.0	15.4		ug/L		62	14 - 150	2	40
Fluorene	25.0	18.2		ug/L		73	41 - 136	1	40
2-Chloronaphthalene	25.0	40.0	*+	ug/L		160	44 - 122	4	40
2-Chlorophenol	25.0	17.8		ug/L		71	10 - 150	0	40
Indeno[1,2,3-cd]pyrene	25.0	16.2		ug/L		65	30 - 150	6	40
1-Methylnaphthalene	25.0	15.5		ug/L		62	36 - 117	2	40
4-Chlorophenyl phenyl ether	25.0	15.1		ug/L		60	51 - 125	1	40
2-Methylnaphthalene	25.0	16.5		ug/L		66	31 - 115	0	40
Dibenz[a,h]acridine	49.9	35.6		ug/L		71	50 - 150	9	40
Dibenzofuran	25.0	16.6		ug/L		66	55 - 125	1	40
3,3'-Dichlorobenzidine	33.3	19.7		ug/L		59	10 - 150	3	40
Phenanthrene	25.0	15.5		ug/L		62	50 - 133	0	40
2,4-Dichlorophenol	25.0	16.0		ug/L		64	11 - 150	6	40
Pyrene	25.0	15.6		ug/L		62	46 - 149	0	40
Diethyl phthalate	25.0	16.9		ug/L		68	61 - 130	2	40
2,4-Dimethylphenol	25.0	18.1		ug/L		73	5 - 150	4	40
Dimethyl phthalate	25.0	15.4		ug/L		62	55 - 139	2	40
Di-n-butyl phthalate	25.0	19.1		ug/L		76	50 - 150	6	40
4,6-Dinitro-ortho-cresol	50.0	47.1		ug/L		94	10 - 150	5	40
2,4-Dinitrophenol	50.0	39.0		ug/L		78	10 - 150	1	40
2,4-Dinitrotoluene	25.0	18.7		ug/L		75	46 - 137	1	40
2,6-Dinitrotoluene	25.0	18.8		ug/L		75	35 - 150	2	40
Di-n-octyl phthalate	25.0	17.2		ug/L		69	10 - 150	2	40
1,4-Dioxane	25.0	13.6		ug/L		54	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	16.8	I	ug/L		67	49 - 125	2	40
Hexachlorobenzene	25.0	15.7		ug/L		63	53 - 126	1	40
Hexachlorocyclopentadiene	25.0	18.8	J	ug/L		75	10 - 150	0	40
Hexachloroethane	25.0	15.1		ug/L		60	10 - 112	2	40
Indene	50.0	26.1		ug/L		52	50 - 150	1	40
Isophorone	25.0	16.3		ug/L		65	51 - 125	1	40
2-Methylphenol	25.0	14.7		ug/L		59	42 - 120	5	40
3 & 4 Methylphenol	25.0	25.5		ug/L		102	10 - 150	4	40
2-Nitroaniline	25.0	19.2		ug/L		77	10 - 150	1	40
3-Nitroaniline	25.0	20.1		ug/L		80	10 - 150	0	40
4-Nitroaniline	25.0	26.3		ug/L		105	10 - 144	0	40
Nitrobenzene	25.0	16.8		ug/L		67	57 - 138	0	40
2-Nitrophenol	25.0	17.5		ug/L		70	21 - 150	0	40
4-Nitrophenol	50.0	48.7		ug/L		97	10 - 150	0	40
N-Nitrosodimethylamine	25.0	14.7		ug/L		59	10 - 136	1	40
N-Nitrosodi-n-propylamine	25.0	19.1		ug/L		76	53 - 134	3	40
N-Nitrosodiphenylamine	24.8	16.5		ug/L		67	62 - 132	3	40
Pentachlorophenol	50.0	38.4		ug/L		77	16 - 150	1	40
Phenol	25.0	22.6		ug/L		90	10 - 150	5	40
Pyridine	50.0	6.44	J	ug/L		13	10 - 150	1	40
Quinoline	49.9	35.6		ug/L		71	50 - 150	6	40
2,4,5-Trichlorophenol	25.0	17.6		ug/L		70	10 - 150	2	40

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

Lab Sample ID: LCSD 400-705687/3-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			25.0	17.8		ug/L		71	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*15 - 150*
Nitrobenzene-d5	*73*		*50 - 150*
Terphenyl-d14	*60*		*43 - 147*
2-Fluorobiphenyl	*74*		*15 - 150*
2-Fluorophenol	*92*		*10 - 150*
Nitrobenzene-d5	*73*		*50 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*76*		*10 - 150*

Lab Sample ID: LCSD 400-705687/50-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	19.8		ug/L		40	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*67*		*43 - 147*
2,4,6-Tribromophenol	*81*		*10 - 150*

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 706656

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		24.5	13.8		ug/L		56	50 - 150
Aniline	ND	F1	24.5	7.07	J F1	ug/L		29	50 - 150
Acenaphthylene	ND		24.5	14.3		ug/L		58	50 - 150
Anthracene	ND		24.5	14.2		ug/L		58	50 - 150
Benzoic acid	ND		210	266	E	ug/L		127	50 - 150
Benzo[a]anthracene	ND		24.5	14.2		ug/L		58	50 - 150
Benzyl alcohol	ND	F1	24.5	4.96	J F1	ug/L		20	50 - 150
Benzo[a]pyrene	ND		24.5	13.2		ug/L		54	50 - 150
Bis(2-chloroethoxy)methane	ND		24.5	15.6		ug/L		64	50 - 150
Benzo[b]fluoranthene	ND		24.5	14.5		ug/L		59	50 - 150
Bis(2-chloroethyl)ether	ND		24.5	14.4		ug/L		59	50 - 150
Benzo[g,h,i]perylene	ND		24.5	12.6		ug/L		51	50 - 150
bis (2-chloroisopropyl) ether	ND		24.5	14.3		ug/L		58	50 - 150
Benzo[k]fluoranthene	ND		24.5	13.3		ug/L		54	50 - 150
Bis(2-ethylhexyl) phthalate	ND	F1	24.5	11.7	F1	ug/L		48	50 - 150

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

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 706657

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Bromophenyl phenyl ether	ND		24.5	15.1		ug/L		61	50 - 150
Chrysene	ND		24.5	13.8		ug/L		56	50 - 150
Butyl benzyl phthalate	ND	F2	24.5	12.7		ug/L		52	50 - 150
Dibenz(a,h)anthracene	ND		24.5	12.3		ug/L		50	50 - 150
4-Chloroaniline	ND	F1	24.5	10.4	F1	ug/L		43	50 - 150
Fluoranthene	ND		24.5	14.1		ug/L		57	50 - 150
4-Chloro-3-methylphenol	ND		24.5	12.8		ug/L		52	50 - 150
Fluorene	ND		24.5	16.2		ug/L		66	50 - 150
2-Chloronaphthalene	ND	F1 *+	24.5	35.9		ug/L		147	50 - 150
2-Chlorophenol	ND		24.5	14.9		ug/L		61	50 - 150
Indeno[1,2,3-cd]pyrene	ND		24.5	12.4		ug/L		51	50 - 150
1-Methylnaphthalene	ND		24.5	13.7		ug/L		56	50 - 150
4-Chlorophenyl phenyl ether	ND		24.5	13.4		ug/L		55	50 - 150
2-Methylnaphthalene	ND		24.5	14.3		ug/L		58	50 - 150
Dibenz[a,h]acridine	ND		48.9	31.4		ug/L		64	50 - 150
Dibenzofuran	ND		24.5	14.8		ug/L		61	50 - 150
3,3'-Dichlorobenzidine	ND		32.7	17.9		ug/L		55	50 - 150
Phenanthrene	ND		24.5	13.7		ug/L		56	50 - 150
2,4-Dichlorophenol	ND		24.5	13.0		ug/L		53	50 - 150
Pyrene	ND		24.5	13.7		ug/L		56	50 - 150
Diethyl phthalate	ND		24.5	13.7		ug/L		56	50 - 150
2,4-Dimethylphenol	ND	F1	24.5	9.97	F1	ug/L		41	50 - 150
Dimethyl phthalate	ND	F1	24.5	11.9	F1	ug/L		48	50 - 150
Di-n-butyl phthalate	ND		24.5	16.8		ug/L		69	50 - 150
4,6-Dinitro-ortho-cresol	ND		49.0	40.3		ug/L		82	50 - 150
2,4-Dinitrophenol	ND		49.0	38.9		ug/L		79	50 - 150
2,4-Dinitrotoluene	ND		24.5	16.1		ug/L		66	50 - 150
2,6-Dinitrotoluene	ND		24.5	16.2		ug/L		66	50 - 150
Di-n-octyl phthalate	ND		24.5	13.8		ug/L		56	50 - 150
1,4-Dioxane	ND		24.5	13.1		ug/L		53	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		24.5	15.1	I	ug/L		62	50 - 150
Hexachlorobenzene	ND		24.5	13.8		ug/L		56	50 - 150
Hexachlorocyclopentadiene	ND		24.5	17.8	J	ug/L		73	50 - 150
Hexachloroethane	ND		24.5	14.3		ug/L		58	50 - 150
Indene	ND	F1	49.0	23.6	F1	ug/L		48	50 - 150
Isophorone	ND		24.5	14.6		ug/L		59	50 - 150
2-Methylphenol	ND		24.5	12.4		ug/L		51	50 - 150
3 & 4 Methylphenol	ND		24.5	21.5		ug/L		88	50 - 150
2-Nitroaniline	ND		24.5	16.8		ug/L		68	50 - 150
3-Nitroaniline	ND		24.5	18.4		ug/L		75	50 - 150
4-Nitroaniline	ND		24.5	22.9		ug/L		94	50 - 150
Nitrobenzene	ND		24.5	14.9		ug/L		61	50 - 150
2-Nitrophenol	ND		24.5	14.8		ug/L		61	50 - 150
4-Nitrophenol	ND		49.0	36.5		ug/L		74	50 - 150
N-Nitrosodimethylamine	ND		24.5	14.3		ug/L		58	50 - 150
N-Nitrosodi-n-propylamine	ND		24.5	17.0		ug/L		69	50 - 150
N-Nitrosodiphenylamine	ND		24.3	14.8		ug/L		61	50 - 150
Pentachlorophenol	ND		49.0	32.9		ug/L		67	50 - 150

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

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 706657

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	ND		24.5	19.8		ug/L		81	50 - 150
Pyridine	ND	F1	49.0	6.91	J F1	ug/L		14	50 - 150
Quinoline	ND		48.9	29.8		ug/L		61	50 - 150
2,4,5-Trichlorophenol	ND		24.5	14.4		ug/L		59	50 - 150
2,4,6-Trichlorophenol	ND		24.5	15.3		ug/L		63	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*15 - 150*
Nitrobenzene-d5	*72*		*50 - 150*
Terphenyl-d14	*55*		*43 - 147*
2-Fluorobiphenyl	*67*		*15 - 150*
2-Fluorophenol	*79*		*10 - 150*
Nitrobenzene-d5	*72*		*50 - 150*
Phenol-d5	*75*		*10 - 150*
Terphenyl-d14	*55*		*43 - 147*
2,4,6-Tribromophenol	*60*		*10 - 150*

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 706656

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		25.4	15.7		ug/L		62	50 - 150	13	40
Aniline	ND	F1	25.4	7.69	J F1	ug/L		30	50 - 150	8	40
Acenaphthylene	ND		25.4	16.7		ug/L		66	50 - 150	16	40
Anthracene	ND		25.4	17.1		ug/L		67	50 - 150	19	40
Benzoic acid	ND		218	249		ug/L		114	50 - 150	7	40
Benzo[a]anthracene	ND		25.4	17.3		ug/L		68	50 - 150	20	40
Benzyl alcohol	ND	F1	25.4	6.02	J F1	ug/L		24	50 - 150	19	40
Benzo[a]pyrene	ND		25.4	16.5		ug/L		65	50 - 150	22	40
Bis(2-chloroethoxy)methane	ND		25.4	18.0		ug/L		71	50 - 150	14	40
Benzo[b]fluoranthene	ND		25.4	17.9		ug/L		70	50 - 150	21	40
Bis(2-chloroethyl)ether	ND		25.4	17.0		ug/L		67	50 - 150	17	40
Benzo[g,h,i]perylene	ND		25.4	16.4		ug/L		64	50 - 150	26	40
bis (2-chloroisopropyl) ether	ND		25.4	17.3		ug/L		68	50 - 150	19	40
Benzo[k]fluoranthene	ND		25.4	16.3		ug/L		64	50 - 150	20	40
Bis(2-ethylhexyl) phthalate	ND	F1	25.4	14.4		ug/L		57	50 - 150	21	40
4-Bromophenyl phenyl ether	ND		25.4	17.8		ug/L		70	50 - 150	17	40
Chrysene	ND		25.4	16.3		ug/L		64	50 - 150	17	40
Butyl benzyl phthalate	ND	F2	25.4	19.3	F2	ug/L		76	50 - 150	42	40
Dibenz(a,h)anthracene	ND		25.4	16.3		ug/L		64	50 - 150	28	40
4-Chloroaniline	ND	F1	25.4	11.4	F1	ug/L		45	50 - 150	9	40
Fluoranthene	ND		25.4	16.9		ug/L		67	50 - 150	18	40
4-Chloro-3-methylphenol	ND		25.4	15.8		ug/L		62	50 - 150	21	40
Fluorene	ND		25.4	18.9		ug/L		74	50 - 150	15	40
2-Chloronaphthalene	ND	F1 *+	25.4	41.9	F1	ug/L		165	50 - 150	15	40
2-Chlorophenol	ND		25.4	18.2		ug/L		72	50 - 150	20	40
Indeno[1,2,3-cd]pyrene	ND		25.4	16.3		ug/L		64	50 - 150	27	40

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

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 706656

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	ND		25.4	15.9		ug/L		62	50 - 150	15	40
4-Chlorophenyl phenyl ether	ND		25.4	15.5		ug/L		61	50 - 150	14	40
2-Methylnaphthalene	ND		25.4	16.5		ug/L		65	50 - 150	15	40
Dibenz[a,h]acridine	ND		50.7	37.0		ug/L		73	50 - 150	16	40
Dibenzofuran	ND		25.4	17.2		ug/L		68	50 - 150	15	40
3,3'-Dichlorobenzidine	ND		33.9	22.3		ug/L		66	50 - 150	21	40
Phenanthrene	ND		25.4	16.4		ug/L		64	50 - 150	18	40
2,4-Dichlorophenol	ND		25.4	16.1		ug/L		63	50 - 150	21	40
Pyrene	ND		25.4	16.6		ug/L		65	50 - 150	19	40
Diethyl phthalate	ND		25.4	18.2		ug/L		72	50 - 150	29	40
2,4-Dimethylphenol	ND	F1	25.4	12.0	F1	ug/L		47	50 - 150	19	40
Dimethyl phthalate	ND	F1	25.4	17.2		ug/L		68	50 - 150	37	40
Di-n-butyl phthalate	ND		25.4	21.7		ug/L		86	50 - 150	26	40
4,6-Dinitro-ortho-cresol	ND		50.8	49.2		ug/L		97	50 - 150	20	40
2,4-Dinitrophenol	ND		50.8	44.6		ug/L		88	50 - 150	14	40
2,4-Dinitrotoluene	ND		25.4	19.6		ug/L		77	50 - 150	20	40
2,6-Dinitrotoluene	ND		25.4	19.3		ug/L		76	50 - 150	18	40
Di-n-octyl phthalate	ND		25.4	17.2		ug/L		68	50 - 150	22	40
1,4-Dioxane	ND		25.4	12.8		ug/L		50	50 - 150	3	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		25.4	17.6	I	ug/L		69	50 - 150	15	40
Hexachlorobenzene	ND		25.4	16.5		ug/L		65	50 - 150	18	40
Hexachlorocyclopentadiene	ND		25.4	20.1		ug/L		79	50 - 150	12	40
Hexachloroethane	ND		25.4	15.4		ug/L		61	50 - 150	7	40
Indene	ND	F1	50.8	24.3	F1	ug/L		48	50 - 150	3	40
Isophorone	ND		25.4	17.2		ug/L		68	50 - 150	17	40
2-Methylphenol	ND		25.4	14.5		ug/L		57	50 - 150	15	40
3 & 4 Methylphenol	ND		25.4	25.0		ug/L		98	50 - 150	15	40
2-Nitroaniline	ND		25.4	19.5		ug/L		77	50 - 150	15	40
3-Nitroaniline	ND		25.4	21.9		ug/L		86	50 - 150	18	40
4-Nitroaniline	ND		25.4	26.8		ug/L		106	50 - 150	16	40
Nitrobenzene	ND		25.4	18.1		ug/L		71	50 - 150	19	40
2-Nitrophenol	ND		25.4	18.6		ug/L		73	50 - 150	22	40
4-Nitrophenol	ND		50.8	45.5		ug/L		89	50 - 150	22	40
N-Nitrosodimethylamine	ND		25.4	14.1		ug/L		55	50 - 150	2	40
N-Nitrosodi-n-propylamine	ND		25.4	19.7		ug/L		78	50 - 150	15	40
N-Nitrosodiphenylamine	ND		25.2	17.3		ug/L		69	50 - 150	16	40
Pentachlorophenol	ND		50.8	40.3		ug/L		79	50 - 150	20	40
Phenol	ND		25.4	20.9		ug/L		82	50 - 150	5	40
Pyridine	ND	F1	50.8	10.1	F1	ug/L		20	50 - 150	38	40
Quinoline	ND		50.7	34.2		ug/L		67	50 - 150	14	40
2,4,5-Trichlorophenol	ND		25.4	17.6		ug/L		69	50 - 150	20	40
2,4,6-Trichlorophenol	ND		25.4	18.7		ug/L		74	50 - 150	20	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*
Nitrobenzene-d5	*80*		*50 - 150*
Terphenyl-d14	*63*		*43 - 147*

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

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 706657

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705687

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	73		15 - 150
2-Fluorophenol	90		10 - 150
Nitrobenzene-d5	80		50 - 150
Phenol-d5	70		10 - 150
Terphenyl-d14	63		43 - 147
2,4,6-Tribromophenol	79		10 - 150

Lab Sample ID: MB 400-707847/1-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		05/01/25 18:32	05/06/25 18:31	1
Benzenethiol	ND		10	0.60	ug/L		05/01/25 18:32	05/06/25 18:31	1
Benzoic acid	ND		30	27	ug/L		05/01/25 18:32	05/06/25 18:31	1
Benzyl alcohol	ND		10	1.9	ug/L		05/01/25 18:32	05/06/25 18:31	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		05/01/25 18:32	05/06/25 18:31	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		05/01/25 18:32	05/06/25 18:31	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		05/01/25 18:32	05/06/25 18:31	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		05/01/25 18:32	05/06/25 18:31	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Chloroaniline	ND		10	0.28	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		05/01/25 18:32	05/06/25 18:31	1
2-Chloronaphthalene	ND		10	0.38	ug/L		05/01/25 18:32	05/06/25 18:31	1
2-Chlorophenol	ND		10	0.22	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		05/01/25 18:32	05/06/25 18:31	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		05/01/25 18:32	05/06/25 18:31	1
Dibenzofuran	ND		10	0.15	ug/L		05/01/25 18:32	05/06/25 18:31	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		05/01/25 18:32	05/06/25 18:31	1
Diethyl phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		05/01/25 18:32	05/06/25 18:31	1
Dimethyl phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		05/01/25 18:32	05/06/25 18:31	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		05/01/25 18:32	05/06/25 18:31	1
1,4-Dioxane	ND		10	0.070	ug/L		05/01/25 18:32	05/06/25 18:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		05/01/25 18:32	05/06/25 18:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		05/01/25 18:32	05/06/25 18:31	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		05/01/25 18:32	05/06/25 18:31	1
Hexachloroethane	ND		10	0.53	ug/L		05/01/25 18:32	05/06/25 18:31	1
Indene	ND		10	0.44	ug/L		05/01/25 18:32	05/06/25 18:31	1
Isophorone	ND		10	0.80	ug/L		05/01/25 18:32	05/06/25 18:31	1
2-Methylphenol	ND		10	0.30	ug/L		05/01/25 18:32	05/06/25 18:31	1

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

Lab Sample ID: MB 400-707847/1-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	0.18	ug/L		05/01/25 18:32	05/06/25 18:31	1
2-Nitroaniline	ND		10	1.4	ug/L		05/01/25 18:32	05/06/25 18:31	1
3-Nitroaniline	ND		10	0.95	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Nitroaniline	ND		10	1.2	ug/L		05/01/25 18:32	05/06/25 18:31	1
Nitrobenzene	ND		10	0.60	ug/L		05/01/25 18:32	05/06/25 18:31	1
2-Nitrophenol	ND		10	1.2	ug/L		05/01/25 18:32	05/06/25 18:31	1
4-Nitrophenol	ND		10	2.7	ug/L		05/01/25 18:32	05/06/25 18:31	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		05/01/25 18:32	05/06/25 18:31	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		05/01/25 18:32	05/06/25 18:31	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		05/01/25 18:32	05/06/25 18:31	1
Pentachlorophenol	ND		10	0.41	ug/L		05/01/25 18:32	05/06/25 18:31	1
Phenol	ND		10	0.27	ug/L		05/01/25 18:32	05/06/25 18:31	1
Pyridine	ND		10	0.64	ug/L		05/01/25 18:32	05/06/25 18:31	1
Quinoline	ND		10	0.50	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		05/01/25 18:32	05/06/25 18:31	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		05/01/25 18:32	05/06/25 18:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 150*	*05/01/25 18:32*	*05/06/25 18:31*	*1*
2-Fluorophenol	*110*		*10 - 150*	*05/01/25 18:32*	*05/06/25 18:31*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*05/01/25 18:32*	*05/06/25 18:31*	*1*
Phenol-d5	*98*		*10 - 150*	*05/01/25 18:32*	*05/06/25 18:31*	*1*
Terphenyl-d14	*75*		*43 - 147*	*05/01/25 18:32*	*05/06/25 18:31*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*05/01/25 18:32*	*05/06/25 18:31*	*1*

Lab Sample ID: LCS 400-707847/2-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	25.0	7.96	J	ug/L		32	10 - 150
Benzoic acid	214	301	E	ug/L		140	10 - 180
Benzyl alcohol	25.0	4.53	J	ug/L		18	10 - 150
Bis(2-chloroethoxy)methane	25.0	17.2		ug/L		69	60 - 123
Bis(2-chloroethyl)ether	25.0	13.7		ug/L		55	45 - 127
bis (2-chloroisopropyl) ether	25.0	13.7		ug/L		55	10 - 150
Bis(2-ethylhexyl) phthalate	25.0	15.3		ug/L		61	10 - 147
4-Bromophenyl phenyl ether	25.0	12.0	*-	ug/L		48	50 - 126
Butyl benzyl phthalate	25.0	14.6		ug/L		58	36 - 137
4-Chloroaniline	25.0	9.32	J	ug/L		37	10 - 150
4-Chloro-3-methylphenol	25.0	12.4		ug/L		50	14 - 150
2-Chloronaphthalene	25.0	13.5		ug/L		54	44 - 122
2-Chlorophenol	25.0	15.5		ug/L		62	10 - 150
4-Chlorophenyl phenyl ether	25.0	12.1	*-	ug/L		48	51 - 125
Dibenz[a,h]acridine	49.9	31.0		ug/L		62	50 - 150
Dibenzofuran	25.0	13.5	*-	ug/L		54	55 - 125
3,3'-Dichlorobenzidine	33.3	14.2		ug/L		43	10 - 150
2,4-Dichlorophenol	25.0	14.0		ug/L		56	11 - 150

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

Lab Sample ID: LCS 400-707847/2-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	25.0	14.2	*-	ug/L		57	61 - 130
2,4-Dimethylphenol	25.0	7.48	J	ug/L		30	5 - 150
Dimethyl phthalate	25.0	13.3	*-	ug/L		53	55 - 139
Di-n-butyl phthalate	25.0	12.9		ug/L		52	50 - 150
4,6-Dinitro-ortho-cresol	50.0	43.6		ug/L		87	10 - 150
2,4-Dinitrophenol	50.0	44.4		ug/L		89	10 - 150
2,4-Dinitrotoluene	25.0	16.8		ug/L		67	46 - 137
2,6-Dinitrotoluene	25.0	19.3		ug/L		77	35 - 150
Di-n-octyl phthalate	25.0	16.0		ug/L		64	10 - 150
1,4-Dioxane	25.0	12.6		ug/L		51	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	13.2		ug/L		53	49 - 125
Hexachlorobenzene	25.0	12.9	*-	ug/L		52	53 - 126
Hexachlorocyclopentadiene	25.0	20.6		ug/L		83	10 - 150
Hexachloroethane	25.0	13.1		ug/L		52	10 - 112
Indene	50.0	25.6		ug/L		51	50 - 150
Isophorone	25.0	13.5		ug/L		54	51 - 125
2-Methylphenol	25.0	12.3		ug/L		49	42 - 120
3 & 4 Methylphenol	25.0	14.0	J	ug/L		56	10 - 150
2-Nitroaniline	25.0	18.5		ug/L		74	10 - 150
3-Nitroaniline	25.0	18.0		ug/L		72	10 - 150
4-Nitroaniline	25.0	21.7		ug/L		87	10 - 144
Nitrobenzene	25.0	14.6		ug/L		58	57 - 138
2-Nitrophenol	25.0	20.5		ug/L		82	21 - 150
4-Nitrophenol	50.0	38.0		ug/L		76	10 - 150
N-Nitrosodimethylamine	25.0	13.4		ug/L		54	10 - 136
N-Nitrosodi-n-propylamine	25.0	15.2		ug/L		61	53 - 134
N-Nitrosodiphenylamine	24.8	14.1	*-	ug/L		57	62 - 132
Pentachlorophenol	50.0	39.6		ug/L		79	16 - 150
Phenol	25.0	19.7		ug/L		79	10 - 150
Pyridine	50.0	28.2		ug/L		56	10 - 150
Quinoline	49.9	23.3	*-	ug/L		47	50 - 150
2,4,5-Trichlorophenol	25.0	15.3		ug/L		61	10 - 150
2,4,6-Trichlorophenol	25.0	16.4		ug/L		66	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*15 - 150*
2-Fluorophenol	*95*		*10 - 150*
Nitrobenzene-d5	*78*		*50 - 150*
Phenol-d5	*103*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*90*		*10 - 150*

Lab Sample ID: LCS 400-707847/4-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	14.8		ug/L		30	10 - 150

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	74		15 - 150
2-Fluorophenol	109		10 - 150
Nitrobenzene-d5	89		50 - 150
Phenol-d5	103		10 - 150
Terphenyl-d14	77		43 - 147
2,4,6-Tribromophenol	95		10 - 150

Lab Sample ID: LCSD 400-707847/3-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707847

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			25.0	6.90	J	ug/L		28	10 - 150	14	40
Benzoic acid			214	283	E	ug/L		132	10 - 180	6	40
Benzyl alcohol			25.0	4.51	J	ug/L		18	10 - 150	0	40
Bis(2-chloroethoxy)methane			25.0	17.6		ug/L		71	60 - 123	2	40
Bis(2-chloroethyl)ether			25.0	13.7		ug/L		55	45 - 127	0	40
bis (2-chloroisopropyl) ether			25.0	13.4		ug/L		54	10 - 150	2	40
Bis(2-ethylhexyl) phthalate			25.0	15.6		ug/L		62	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	12.4		ug/L		50	50 - 126	3	40
Butyl benzyl phthalate			25.0	14.8		ug/L		59	36 - 137	1	40
4-Chloroaniline			25.0	9.94	J	ug/L		40	10 - 150	6	40
4-Chloro-3-methylphenol			25.0	11.4		ug/L		46	14 - 150	9	40
2-Chloronaphthalene			25.0	13.9		ug/L		56	44 - 122	3	40
2-Chlorophenol			25.0	15.3		ug/L		61	10 - 150	1	40
4-Chlorophenyl phenyl ether			25.0	12.6	*-	ug/L		50	51 - 125	4	40
Dibenz[a,h]acridine			49.9	30.7		ug/L		62	50 - 150	1	40
Dibenzofuran			25.0	14.0		ug/L		56	55 - 125	3	40
3,3'-Dichlorobenzidine			33.3	15.5		ug/L		46	10 - 150	9	40
2,4-Dichlorophenol			25.0	15.0		ug/L		60	11 - 150	7	40
Diethyl phthalate			25.0	14.6	*-	ug/L		58	61 - 130	3	40
2,4-Dimethylphenol			25.0	8.41	J	ug/L		34	5 - 150	12	40
Dimethyl phthalate			25.0	13.3	*-	ug/L		53	55 - 139	0	40
Di-n-butyl phthalate			25.0	13.3		ug/L		53	50 - 150	3	40
4,6-Dinitro-ortho-cresol			50.0	45.6		ug/L		91	10 - 150	4	40
2,4-Dinitrophenol			50.0	44.1		ug/L		88	10 - 150	1	40
2,4-Dinitrotoluene			25.0	17.4		ug/L		70	46 - 137	4	40
2,6-Dinitrotoluene			25.0	19.6		ug/L		78	35 - 150	1	40
Di-n-octyl phthalate			25.0	15.9		ug/L		64	10 - 150	0	40
1,4-Dioxane			25.0	12.4		ug/L		50	10 - 137	2	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	13.8		ug/L		55	49 - 125	5	40
Hexachlorobenzene			25.0	13.2		ug/L		53	53 - 126	2	40
Hexachlorocyclopentadiene			25.0	21.4		ug/L		86	10 - 150	4	40
Hexachloroethane			25.0	13.2		ug/L		53	10 - 112	1	40
Indene			50.0	23.9	*-	ug/L		48	50 - 150	7	40
Isophorone			25.0	13.7		ug/L		55	51 - 125	1	40
2-Methylphenol			25.0	12.5		ug/L		50	42 - 120	2	40
3 & 4 Methylphenol			25.0	13.3	J	ug/L		53	10 - 150	5	40
2-Nitroaniline			25.0	19.0		ug/L		76	10 - 150	2	40
3-Nitroaniline			25.0	19.2		ug/L		77	10 - 150	7	40
4-Nitroaniline			25.0	23.0		ug/L		92	10 - 144	6	40

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

Lab Sample ID: LCSD 400-707847/3-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707847

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene			25.0	14.6		ug/L		58	57 - 138	0	40
2-Nitrophenol			25.0	20.8		ug/L		83	21 - 150	1	40
4-Nitrophenol			50.0	37.5		ug/L		75	10 - 150	1	40
N-Nitrosodimethylamine			25.0	13.3		ug/L		53	10 - 136	1	40
N-Nitrosodi-n-propylamine			25.0	15.4		ug/L		62	53 - 134	2	40
N-Nitrosodiphenylamine			24.8	14.5	*-	ug/L		59	62 - 132	3	40
Pentachlorophenol			50.0	41.8		ug/L		84	16 - 150	5	40
Phenol			25.0	16.2		ug/L		65	10 - 150	20	40
Pyridine			50.0	31.2		ug/L		62	10 - 150	10	40
Quinoline			49.9	25.1		ug/L		50	50 - 150	7	40
2,4,5-Trichlorophenol			25.0	14.7		ug/L		59	10 - 150	4	40
2,4,6-Trichlorophenol			25.0	16.6		ug/L		66	50 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*15 - 150*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*79*		*50 - 150*
Phenol-d5	*87*		*10 - 150*
Terphenyl-d14	*66*		*43 - 147*
2,4,6-Tribromophenol	*96*		*10 - 150*

Lab Sample ID: LCSD 400-707847/5-A
Matrix: Water
Analysis Batch: 708271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707847

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	9.74	J *1	ug/L		19	10 - 150	41	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*15 - 150*
2-Fluorophenol	*108*		*10 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Phenol-d5	*109*		*10 - 150*
Terphenyl-d14	*77*		*43 - 147*
2,4,6-Tribromophenol	*102*		*10 - 150*

Lab Sample ID: MB 400-708675/1-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	0.74	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dibenzofuran	ND		10	0.15	ug/L		05/09/25 07:00	05/10/25 17:07	1
Diethyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dimethyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		05/09/25 07:00	05/10/25 17:07	1

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

Lab Sample ID: MB 400-708675/1-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		05/09/25 07:00	05/10/25 17:07	1
Quinoline	ND		10	0.50	ug/L		05/09/25 07:00	05/10/25 17:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*15 - 150*	*05/09/25 07:00*	*05/10/25 17:07*	*1*
2-Fluorophenol	*80*		*10 - 150*	*05/09/25 07:00*	*05/10/25 17:07*	*1*
Nitrobenzene-d5	*68*		*50 - 150*	*05/09/25 07:00*	*05/10/25 17:07*	*1*
Phenol-d5	*84*		*10 - 150*	*05/09/25 07:00*	*05/10/25 17:07*	*1*
Terphenyl-d14	*67*		*43 - 147*	*05/09/25 07:00*	*05/10/25 17:07*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*05/09/25 07:00*	*05/10/25 17:07*	*1*

Lab Sample ID: LCS 400-708675/2-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	50.0	50.8		ug/L		102	10 - 150
4-Bromophenyl phenyl ether	50.0	32.5		ug/L		65	50 - 126
4-Chlorophenyl phenyl ether	50.0	31.3		ug/L		63	51 - 125
Dibenzofuran	50.0	37.3		ug/L		75	55 - 125
Diethyl phthalate	50.0	29.6	*-	ug/L		59	61 - 130
Dimethyl phthalate	50.0	30.9		ug/L		62	55 - 139
Hexachlorobenzene	50.0	32.4		ug/L		65	53 - 126
N-Nitrosodiphenylamine	49.6	36.1		ug/L		73	62 - 132
Quinoline	49.9	44.6		ug/L		89	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*55*		*15 - 150*
2-Fluorophenol	*70*		*10 - 150*
Nitrobenzene-d5	*65*		*50 - 150*
Phenol-d5	*78*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*74*		*10 - 150*

Lab Sample ID: LCS 400-708675/3-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	35.4		ug/L		71	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*15 - 150*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*63*		*50 - 150*
Phenol-d5	*91*		*10 - 150*
Terphenyl-d14	*66*		*43 - 147*
2,4,6-Tribromophenol	*67*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-705569/1-A
Matrix: Water
Analysis Batch: 705579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/14/25 08:54	04/14/25 11:13	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/14/25 08:54	04/14/25 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*51 - 149*	*04/14/25 08:54*	*04/14/25 11:13*	*1*

Lab Sample ID: LCS 400-705569/2-A
Matrix: Water
Analysis Batch: 705579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705569

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0970		ug/L		96	60 - 140		
1,2-Dibromoethane			0.100	0.0911		ug/L		91	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*51 - 149*

Lab Sample ID: LCSD 400-705569/3-A
Matrix: Water
Analysis Batch: 705579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705569

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.110		ug/L		110	60 - 140	13	30
1,2-Dibromoethane			0.100	0.103		ug/L		102	60 - 140	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*51 - 149*

Lab Sample ID: 400-274049-3 MS
Matrix: Water
Analysis Batch: 705579

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.105	0.111		ug/L		106	10 - 150		
1,2-Dibromoethane	ND		0.105	0.0948		ug/L		90	39 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*63*		*51 - 149*

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 705579

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.105	0.104		ug/L		99	10 - 150	6	20
1,2-Dibromoethane	ND		0.105	0.0873		ug/L		83	39 - 150	8	20

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

Lab Sample ID: 400-274049-3 MSD
Matrix: Water
Analysis Batch: 705579

Client Sample ID: MW16-ROX-040825
Prep Type: Total/NA
Prep Batch: 705569

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	62		51 - 149

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/8/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 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): 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 – 3.2.2

FIELD NOTES: 3.0 C 3.6 C CJR 10

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

400-274049 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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040825-8260	4/8/2025	0000	Water	2					2	X			
	TB-ROX-040825-8011	4/8/2025	0000	Water	2					2		X		
	MW16-ROX-040825	4/8/2025	0930	Water	6			4		10	X	X	X	X
	MW16-ROX-040825-MS	4/8/2025	0930	Water	6			4		10	X	X	X	X
	MW16-ROX-040825-MSD	4/8/2025	0930	Water	6			4		10	X	X	X	X
	MW12-ROX-040825	4/8/2025	1050	Water	6			4		10	X	X	X	X
	MW26-ROX-040825	4/8/2025	1205	Water	6			4		10	X	X	X	X

SM SM 040825

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496016204/ 423496016215	4/8/2025	1600
Relinquished by: (Signature)	Received by: (Signature) ECTS	Date: 4/9/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 2779073, 2779072, 2779071, 2779070

5/14/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274049-1

Login Number: 274049
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	3.0°C, 3.6°C IR-10
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: 400-274049-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274051-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/8/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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 400-705687/2-A	SVOCs	2-Chloronaphthalene	**166/160**	4	44-122/40

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 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			Samples analyzed did not require dilution.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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.		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**	
	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 8270E (SVOCs) The continuing calibration verifications (CCV) for benzyl alcohol, was outside evaluation criteria, biased low. The initial calibration verification (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.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-040825	SVOCs	Benzyl alcohol	**UJ**
MW23-ROX-040825	SVOCs	Pyridine	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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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411 Broadway Ave
South Roxana, Illinois 62087

Generated 4/24/2025 10:44:32 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274051-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

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Authorization



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Job Narrative
400-274051-1

Receipt
The samples were received on 4/9/2025 9:30 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 3.0º C and 3.6º 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-040825-8260-BP (400-274051-1) and MW23-ROX-040825 (400-274051-3). 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 continuing calibration verification (CCV) associated with batch 400-706457 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-706457/2).

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: The initial calibration verification (ICV) analyzed in batch 400-702953 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: The initial calibration verification (ICV) analyzed in batch 400-702953 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: The continuing calibration verification (CCV) associated with batch 400-706657 recovered above the upper control limit for 2,4-Dinitrotoluene, N-Nitrosodi-n-propylamine and 3 & 4 Methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-706657/3).

Method 8270E: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-705687 and analytical batch 400-706657 recovered outside control limits for the following analytes: 2-Chloronaphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274051-1	TB-ROX-040825-8260-BP	Water	04/08/25 00:00	04/09/25 09:30
400-274051-2	TB-ROX-040825-8011-BP	Water	04/08/25 00:00	04/09/25 09:30
400-274051-3	MW23-ROX-040825	Water	04/08/25 13:05	04/09/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Client Sample ID: TB-ROX-040825-8260-BP — Lab Sample ID: 400-274051-1

No Detections.

Client Sample ID: TB-ROX-040825-8011-BP — Lab Sample ID: 400-274051-2

No Detections.

Client Sample ID: MW23-ROX-040825 — Lab Sample ID: 400-274051-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.36	J	1.0	0.20	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.94	J	1.0	0.22	ug/L	1		8260D	Total/NA
Trichloroethene	0.55	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: 400-274051-1

Client Sample ID: TB-ROX-040825-8260-BP
Date Collected: 04/08/25 00:00
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274051-1
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			04/21/25 20:24	1
Acrolein	ND		20	3.3	ug/L			04/21/25 20:24	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 20:24	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/25 20:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 20:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 20:24	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 20:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/25 20:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/21/25 20:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/21/25 20:24	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 20:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/25 20:24	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 20:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/21/25 20:24	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 20:24	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/21/25 20:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 20:24	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 20:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/25 20:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/25 20:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/25 20:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 20:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/21/25 20:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 20:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/21/25 20:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 20:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/25 20:24	1
2-Hexanone	ND		25	4.3	ug/L			04/21/25 20:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/25 20:24	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 20:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 20:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 20:24	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/21/25 20:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/21/25 20:24	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 20:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/25 20:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/25 20:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/25 20:24	1
o-Xylene	ND		5.0	3.0	ug/L			04/21/25 20:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/25 20:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/25 20:24	1

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040825-8260-BP
Lab Sample ID: 400-274051-1
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 09:30

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			04/21/25 20:24	1
Styrene	ND		1.0	1.0	ug/L			04/21/25 20:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/25 20:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/21/25 20:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/21/25 20:24	1
Toluene	ND		1.0	0.90	ug/L			04/21/25 20:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 20:24	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 20:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/21/25 20:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/25 20:24	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 20:24	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 20:24	1
Trichloroethene	ND		1.0	0.15	ug/L			04/21/25 20:24	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/21/25 20:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 20:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/25 20:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/25 20:24	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 20:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 20:24	1
Xylenes, Total	ND		10	6.0	ug/L			04/21/25 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/21/25 20:24*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*04/21/25 20:24*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/21/25 20:24*	*1*

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040825-8011-BP
Lab Sample ID: 400-274051-2
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 09:30

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.019	ug/L		04/15/25 10:38	04/15/25 15:35	1
1,2-Dibromoethane	ND		0.022	0.017	ug/L		04/15/25 10:38	04/15/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*68*		*51 - 149*	*04/15/25 10:38*	*04/15/25 15:35*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Client Sample ID: MW23-ROX-040825
Date Collected: 04/08/25 13:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274051-3
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			04/21/25 20:50	1
Acrolein	ND		20	3.3	ug/L			04/21/25 20:50	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 20:50	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/25 20:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 20:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 20:50	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 20:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/25 20:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/21/25 20:50	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/21/25 20:50	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 20:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/25 20:50	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 20:50	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/21/25 20:50	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 20:50	1
cis-1,2-Dichloroethene	**0.36**	**J**	1.0	0.20	ug/L			04/21/25 20:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 20:50	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 20:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/25 20:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/25 20:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/25 20:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 20:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/21/25 20:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 20:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/21/25 20:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 20:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/25 20:50	1
2-Hexanone	ND		25	4.3	ug/L			04/21/25 20:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/25 20:50	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 20:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 20:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 20:50	1
Methyl tert-butyl ether	**0.94**	**J**	1.0	0.22	ug/L			04/21/25 20:50	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/21/25 20:50	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 20:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/25 20:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/25 20:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/25 20:50	1
o-Xylene	ND		5.0	3.0	ug/L			04/21/25 20:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/25 20:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/25 20:50	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Client Sample ID: MW23-ROX-040825

Date Collected: 04/08/25 13:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274051-3

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			04/21/25 20:50	1
Styrene	ND		1.0	1.0	ug/L			04/21/25 20:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/25 20:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/21/25 20:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/21/25 20:50	1
Toluene	ND		1.0	0.90	ug/L			04/21/25 20:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 20:50	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 20:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/21/25 20:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/25 20:50	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 20:50	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 20:50	1
Trichloroethene	**0.55**	J	1.0	0.15	ug/L			04/21/25 20:50	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/21/25 20:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 20:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/25 20:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/25 20:50	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 20:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 20:50	1
Xylenes, Total	ND		10	6.0	ug/L			04/21/25 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/21/25 20:50*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*04/21/25 20:50*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/21/25 20:50*	*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		04/15/25 07:00	04/23/25 02:35	1
Aniline	ND		9.9	0.73	ug/L		04/15/25 07:00	04/23/25 02:35	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzenethiol	ND		9.9	0.59	ug/L		04/15/25 07:00	04/23/25 02:35	1
Anthracene	ND		0.20	0.072	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzoic acid	ND		30	27	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/23/25 02:35	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/15/25 07:00	04/23/25 02:35	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/15/25 07:00	04/23/25 02:35	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/15/25 07:00	04/23/25 02:35	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/23/25 02:35	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/15/25 07:00	04/23/25 02:35	1
Chrysene	ND		0.20	0.039	ug/L		04/15/25 07:00	04/23/25 02:35	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/15/25 07:00	04/23/25 02:35	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Client Sample ID: MW23-ROX-040825
Date Collected: 04/08/25 13:05
Date Received: 04/09/25 09:30

Lab Sample ID: 400-274051-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		04/15/25 07:00	04/23/25 02:35	1
Fluorene	ND		0.20	0.086	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Chloronaphthalene	ND	*+	9.9	0.38	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/15/25 07:00	04/23/25 02:35	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/23/25 02:35	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/15/25 07:00	04/23/25 02:35	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		04/15/25 07:00	04/23/25 02:35	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/15/25 07:00	04/23/25 02:35	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/15/25 07:00	04/23/25 02:35	1
Phenanthrene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/15/25 07:00	04/23/25 02:35	1
Pyrene	ND		0.20	0.094	ug/L		04/15/25 07:00	04/23/25 02:35	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/15/25 07:00	04/23/25 02:35	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/15/25 07:00	04/23/25 02:35	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/15/25 07:00	04/23/25 02:35	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/15/25 07:00	04/23/25 02:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/15/25 07:00	04/23/25 02:35	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/15/25 07:00	04/23/25 02:35	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/15/25 07:00	04/23/25 02:35	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/15/25 07:00	04/23/25 02:35	1
Indene	ND		9.9	0.44	ug/L		04/15/25 07:00	04/23/25 02:35	1
Isophorone	ND		9.9	0.79	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Methylphenol	ND		9.9	0.30	ug/L		04/15/25 07:00	04/23/25 02:35	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/15/25 07:00	04/23/25 02:35	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/15/25 07:00	04/23/25 02:35	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/15/25 07:00	04/23/25 02:35	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/15/25 07:00	04/23/25 02:35	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/15/25 07:00	04/23/25 02:35	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/15/25 07:00	04/23/25 02:35	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/15/25 07:00	04/23/25 02:35	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/15/25 07:00	04/23/25 02:35	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/15/25 07:00	04/23/25 02:35	1
Phenol	ND		9.9	0.27	ug/L		04/15/25 07:00	04/23/25 02:35	1
Pyridine	ND	UJ	9.9	0.63	ug/L		04/15/25 07:00	04/23/25 02:35	1
Quinoline	ND		9.9	0.50	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/15/25 07:00	04/23/25 02:35	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/15/25 07:00	04/23/25 02:35	1

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW23-ROX-040825
Lab Sample ID: 400-274051-3
Date Collected: 04/08/25 13:05
Matrix: Water
Date Received: 04/09/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		15 - 150	04/15/25 07:00	04/23/25 02:35	1
Nitrobenzene-d5	77		50 - 150	04/15/25 07:00	04/23/25 02:35	1
Terphenyl-d14	68		43 - 147	04/15/25 07:00	04/23/25 02:35	1
2-Fluorobiphenyl	76		15 - 150	04/15/25 07:00	04/23/25 02:35	1
2-Fluorophenol	89		10 - 150	04/15/25 07:00	04/23/25 02:35	1
Nitrobenzene-d5	77		50 - 150	04/15/25 07:00	04/23/25 02:35	1
Phenol-d5	60		10 - 150	04/15/25 07:00	04/23/25 02:35	1
Terphenyl-d14	68		43 - 147	04/15/25 07:00	04/23/25 02:35	1
2,4,6-Tribromophenol	58		10 - 150	04/15/25 07:00	04/23/25 02:35	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/15/25 10:38	04/15/25 15:57	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	60		51 - 149	04/15/25 10:38	04/15/25 15:57	1

Definitions/Glossary

Client: AECOM
Job ID: 400-274051-1
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.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274051-1

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)
400-274051-1	TB-ROX-040825-8260-BP	90	114	95
400-274051-3	MW23-ROX-040825	90	113	92
LCS 400-706457/1002	Lab Control Sample	90	106	95
MB 400-706457/5	Method Blank	91	111	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274051-3	MW23-ROX-040825	76	76	77	77	68	68	89	60
LCS 400-705687/2-A	Lab Control Sample	73	73	75	75	60	60	96	99
LCS 400-705687/49-A	Lab Control Sample	81	81	82	82	69	69	96	84
LCSD 400-705687/3-A	Lab Control Sample Dup	74	74	73	73	60	60	92	88
LCSD 400-705687/50-A	Lab Control Sample Dup	82	82	83	83	67	67	102	90
MB 400-705687/48-A	Method Blank	78	78	83	83	70	70	97	94

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274051-3	MW23-ROX-040825	58
LCS 400-705687/2-A	Lab Control Sample	89
LCS 400-705687/49-A	Lab Control Sample	79
LCSD 400-705687/3-A	Lab Control Sample Dup	76
LCSD 400-705687/50-A	Lab Control Sample Dup	81
MB 400-705687/48-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: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274051-2	TB-ROX-040825-8011-BP	68
400-274051-3	MW23-ROX-040825	60
LCS 400-705771/2-A	Lab Control Sample	97
LCSD 400-705771/3-A	Lab Control Sample Dup	91
MB 400-705771/1-A	Method Blank	118

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274051-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040825-8260-BP
Lab Sample ID: 400-274051-1
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 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	706457	04/21/25 20:24	CAR	EET PEN

Client Sample ID: TB-ROX-040825-8011-BP
Lab Sample ID: 400-274051-2
Date Collected: 04/08/25 00:00
Matrix: Water
Date Received: 04/09/25 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	8011			31.8 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 15:35	KR	EET PEN

Client Sample ID: MW23-ROX-040825
Lab Sample ID: 400-274051-3
Date Collected: 04/08/25 13:05
Matrix: Water
Date Received: 04/09/25 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	706457	04/21/25 20:50	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/23/25 02:35	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/23/25 02:35	JAW	EET PEN
Total/NA	Prep	8011			33.6 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 15:57	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705687/48-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	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 18:39	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/15/25 07:00	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 18:39	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705771/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:31	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706457/5
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	706457	04/21/25 12:01	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705687/2-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	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 19:08	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 19:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705687/49-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	705687	04/15/25 12:44	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 20:08	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705771/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:52	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706457/1002
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	706457	04/21/25 10:53	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705687/3-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	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706656	04/22/25 19:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705687	04/14/25 16:02	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 19:38	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274051-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705687/50-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	705687	04/15/25 12:44	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706657	04/22/25 20:38	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705771/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 15:14	KR	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: 400-274051-1

GC/MS VOA

Analysis Batch: 706457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-1	TB-ROX-040825-8260-BP	Total/NA	Water	8260D	
400-274051-3	MW23-ROX-040825	Total/NA	Water	8260D	
MB 400-706457/5	Method Blank	Total/NA	Water	8260D	
LCS 400-706457/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 705687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-3	MW23-ROX-040825	Total/NA	Water	3511	
MB 400-705687/48-A	Method Blank	Total/NA	Water	3511	
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-705687/49-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-705687/50-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 706656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-3	MW23-ROX-040825	Total/NA	Water	8270E	705687
MB 400-705687/48-A	Method Blank	Total/NA	Water	8270E	705687
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687

Analysis Batch: 706657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-3	MW23-ROX-040825	Total/NA	Water	8270E	705687
MB 400-705687/48-A	Method Blank	Total/NA	Water	8270E	705687
LCS 400-705687/2-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCS 400-705687/49-A	Lab Control Sample	Total/NA	Water	8270E	705687
LCSD 400-705687/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687
LCSD 400-705687/50-A	Lab Control Sample Dup	Total/NA	Water	8270E	705687

GC Semi VOA

Analysis Batch: 705732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-2	TB-ROX-040825-8011-BP	Total/NA	Water	8011	705771
400-274051-3	MW23-ROX-040825	Total/NA	Water	8011	705771
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	705771
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	705771
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	705771

Prep Batch: 705771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274051-2	TB-ROX-040825-8011-BP	Total/NA	Water	8011	
400-274051-3	MW23-ROX-040825	Total/NA	Water	8011	
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-706457/5
Matrix: Water
Analysis Batch: 706457

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/21/25 12:01	1
Acrolein	ND		20	3.3	ug/L			04/21/25 12:01	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/25 12:01	1
Benzene	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/25 12:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/25 12:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Bromoform	ND		5.0	0.25	ug/L			04/21/25 12:01	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/25 12:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/25 12:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/21/25 12:01	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/21/25 12:01	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/25 12:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/25 12:01	1
Chloroform	ND		1.0	0.90	ug/L			04/21/25 12:01	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/21/25 12:01	1
Chloromethane	ND		1.0	0.40	ug/L			04/21/25 12:01	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/21/25 12:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/25 12:01	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/21/25 12:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/25 12:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/25 12:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/25 12:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/25 12:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/21/25 12:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 12:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/21/25 12:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/25 12:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/25 12:01	1
2-Hexanone	ND		25	4.3	ug/L			04/21/25 12:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/25 12:01	1
Methylene bromide	ND		5.0	0.22	ug/L			04/21/25 12:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/25 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/25 12:01	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/21/25 12:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/21/25 12:01	1
Naphthalene	ND		5.0	3.0	ug/L			04/21/25 12:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/25 12:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/25 12:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/25 12:01	1
o-Xylene	ND		5.0	3.0	ug/L			04/21/25 12:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/25 12:01	1

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

Lab Sample ID: MB 400-706457/5
Matrix: Water
Analysis Batch: 706457

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/25 12:01	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/21/25 12:01	1
Styrene	ND		1.0	1.0	ug/L			04/21/25 12:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/25 12:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/21/25 12:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/21/25 12:01	1
Toluene	ND		1.0	0.90	ug/L			04/21/25 12:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/25 12:01	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/21/25 12:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/21/25 12:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/25 12:01	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/21/25 12:01	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/21/25 12:01	1
Trichloroethene	ND		1.0	0.15	ug/L			04/21/25 12:01	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/21/25 12:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/25 12:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/25 12:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/25 12:01	1
Vinyl acetate	ND		25	0.93	ug/L			04/21/25 12:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/25 12:01	1
Xylenes, Total	ND		10	6.0	ug/L			04/21/25 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/21/25 12:01*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/21/25 12:01*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/21/25 12:01*	*1*

Lab Sample ID: LCS 400-706457/1002
Matrix: Water
Analysis Batch: 706457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	260		ug/L		130	43 - 150
Acrolein	500	504		ug/L		101	38 - 150
Acrylonitrile	500	535		ug/L		107	64 - 142
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromobenzene	50.0	54.4		ug/L		109	70 - 132
Bromochloromethane	50.0	53.4		ug/L		107	70 - 130
Bromodichloromethane	50.0	51.7		ug/L		103	67 - 133
Bromoform	50.0	46.7		ug/L		93	57 - 140
Bromomethane	50.0	52.6		ug/L		105	10 - 150
2-Butanone (MEK)	200	217		ug/L		108	61 - 145
Carbon disulfide	50.0	48.6		ug/L		97	61 - 137
Carbon tetrachloride	50.0	54.0		ug/L		108	61 - 137
Chlorobenzene	50.0	50.8		ug/L		102	70 - 130
Chloroethane	50.0	50.2		ug/L		100	55 - 141
2-Chloroethyl vinyl ether	50.0	41.1		ug/L		82	10 - 150

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

Lab Sample ID: LCS 400-706457/1002
Matrix: Water
Analysis Batch: 706457

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	52.6		ug/L		105	69 - 130
1-Chlorohexane	50.0	59.6		ug/L		119	69 - 130
Chloromethane	50.0	51.2		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	54.7		ug/L		109	68 - 130
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	69 - 132
Dibromochloromethane	50.0	50.4		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	67 - 130
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	53.4		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	40.4		ug/L		81	41 - 146
1,1-Dichloroethane	50.0	54.3		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	55.4		ug/L		111	69 - 130
1,1-Dichloroethene	50.0	51.3		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	54.9		ug/L		110	70 - 130
1,3-Dichloropropane	50.0	48.2		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	49.1		ug/L		98	52 - 135
1,1-Dichloropropene	50.0	51.6		ug/L		103	70 - 130
Ethylbenzene	50.0	49.2		ug/L		98	70 - 130
Ethyl methacrylate	50.0	43.4		ug/L		87	68 - 130
Hexachlorobutadiene	50.0	60.4		ug/L		121	53 - 140
2-Hexanone	200	242		ug/L		121	65 - 137
Isopropylbenzene	50.0	51.4		ug/L		103	70 - 130
Methylene bromide	50.0	50.0		ug/L		100	70 - 130
Methylene Chloride	50.0	51.4		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	215		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	46.6		ug/L		93	66 - 130
m-Xylene & p-Xylene	50.0	49.0		ug/L		98	70 - 130
Naphthalene	50.0	44.2		ug/L		88	47 - 149
n-Butylbenzene	50.0	45.3		ug/L		91	67 - 130
N-Propylbenzene	50.0	51.1		ug/L		102	70 - 130
o-Chlorotoluene	50.0	43.7		ug/L		87	70 - 130
o-Xylene	50.0	48.8		ug/L		98	70 - 130
p-Chlorotoluene	50.0	47.7		ug/L		95	70 - 130
p-Isopropyltoluene	50.0	51.0		ug/L		102	65 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	66 - 130
Styrene	50.0	51.3		ug/L		103	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.8		ug/L		84	70 - 131
Tetrachloroethene	50.0	53.1		ug/L		106	65 - 130
Toluene	50.0	47.5		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	48.3		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	53.6		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	56.0		ug/L		112	60 - 140
1,1,1-Trichloroethane	50.0	51.5		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	47.2		ug/L		94	70 - 130
Trichloroethene	50.0	54.6		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	54.0		ug/L		108	65 - 138

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

Lab Sample ID: LCS 400-706457/1002
Matrix: Water
Analysis Batch: 706457

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	43.4		ug/L		87	70 - 130
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	48.7		ug/L		97	69 - 130
Vinyl acetate	100	89.8		ug/L		90	26 - 150
Vinyl chloride	50.0	47.2		ug/L		94	59 - 136
Xylenes, Total	100	97.8		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*56 - 136*
Dibromofluoromethane	*106*		*79 - 130*
Toluene-d8 (Surr)	*95*		*64 - 132*

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/15/25 07:00	04/22/25 18:39	1
Aniline	ND		10	0.74	ug/L		04/15/25 07:00	04/22/25 18:39	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzenethiol	ND		10	0.60	ug/L		04/15/25 07:00	04/22/25 18:39	1
Anthracene	ND		0.20	0.073	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzoic acid	ND		30	27	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzyl alcohol	ND		10	1.9	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/15/25 07:00	04/22/25 18:39	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/15/25 07:00	04/22/25 18:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/15/25 07:00	04/22/25 18:39	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/15/25 07:00	04/22/25 18:39	1
Chrysene	ND		0.20	0.039	ug/L		04/15/25 07:00	04/22/25 18:39	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chloroaniline	ND		10	0.28	ug/L		04/15/25 07:00	04/22/25 18:39	1
Fluoranthene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/15/25 07:00	04/22/25 18:39	1
Fluorene	ND		0.20	0.087	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Chlorophenol	ND		10	0.22	ug/L		04/15/25 07:00	04/22/25 18:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/15/25 07:00	04/22/25 18:39	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/15/25 07:00	04/22/25 18:39	1

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dibenzofuran	ND		10	0.15	ug/L		04/15/25 07:00	04/22/25 18:39	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/15/25 07:00	04/22/25 18:39	1
Phenanthrene	ND		0.20	0.044	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pyrene	ND		0.20	0.095	ug/L		04/15/25 07:00	04/22/25 18:39	1
Diethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/15/25 07:00	04/22/25 18:39	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/15/25 07:00	04/22/25 18:39	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/15/25 07:00	04/22/25 18:39	1
1,4-Dioxane	ND		10	0.070	ug/L		04/15/25 07:00	04/22/25 18:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/15/25 07:00	04/22/25 18:39	1
Hexachloroethane	ND		10	0.53	ug/L		04/15/25 07:00	04/22/25 18:39	1
Indene	ND		10	0.44	ug/L		04/15/25 07:00	04/22/25 18:39	1
Isophorone	ND		10	0.80	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Methylphenol	ND		10	0.30	ug/L		04/15/25 07:00	04/22/25 18:39	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Nitroaniline	ND		10	1.4	ug/L		04/15/25 07:00	04/22/25 18:39	1
3-Nitroaniline	ND		10	0.95	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Nitroaniline	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 18:39	1
Nitrobenzene	ND		10	0.60	ug/L		04/15/25 07:00	04/22/25 18:39	1
2-Nitrophenol	ND		10	1.2	ug/L		04/15/25 07:00	04/22/25 18:39	1
4-Nitrophenol	ND		10	2.7	ug/L		04/15/25 07:00	04/22/25 18:39	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/15/25 07:00	04/22/25 18:39	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/15/25 07:00	04/22/25 18:39	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pentachlorophenol	ND		10	0.41	ug/L		04/15/25 07:00	04/22/25 18:39	1
Phenol	ND		10	0.27	ug/L		04/15/25 07:00	04/22/25 18:39	1
Pyridine	ND		10	0.64	ug/L		04/15/25 07:00	04/22/25 18:39	1
Quinoline	ND		10	0.50	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/15/25 07:00	04/22/25 18:39	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/15/25 07:00	04/22/25 18:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Terphenyl-d14	*70*		*43 - 147*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2-Fluorophenol	*97*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*

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

Lab Sample ID: MB 400-705687/48-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705687

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*94*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
Terphenyl-d14	*70*		*43 - 147*	*04/15/25 07:00*	*04/22/25 18:39*	*1*
2,4,6-Tribromophenol	*87*		*10 - 150*	*04/15/25 07:00*	*04/22/25 18:39*	*1*

Lab Sample ID: LCS 400-705687/2-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	15.3		ug/L		61	44 - 122
Aniline	25.0	10.3		ug/L		41	10 - 150
Acenaphthylene	25.0	16.1		ug/L		64	42 - 125
Anthracene	25.0	16.2		ug/L		65	51 - 136
Benzoic acid	214	259	E	ug/L		121	10 - 180
Benzo[a]anthracene	25.0	16.9		ug/L		68	50 - 138
Benzyl alcohol	25.0	6.90	J	ug/L		28	10 - 150
Benzo[a]pyrene	25.0	15.5		ug/L		62	53 - 134
Bis(2-chloroethoxy)methane	25.0	17.9		ug/L		72	60 - 123
Benzo[b]fluoranthene	25.0	16.8		ug/L		67	50 - 134
Bis(2-chloroethyl)ether	25.0	16.7		ug/L		67	45 - 127
Benzo[g,h,i]perylene	25.0	15.6		ug/L		62	42 - 138
bis (2-chloroisopropyl) ether	25.0	16.5		ug/L		66	10 - 150
Benzo[k]fluoranthene	25.0	15.5		ug/L		62	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	14.4		ug/L		58	10 - 147
4-Bromophenyl phenyl ether	25.0	17.4		ug/L		69	50 - 126
Chrysene	25.0	15.8		ug/L		63	53 - 141
Butyl benzyl phthalate	25.0	18.7		ug/L		75	36 - 137
Dibenz(a,h)anthracene	25.0	15.5		ug/L		62	41 - 139
4-Chloroaniline	25.0	12.2		ug/L		49	10 - 150
Fluoranthene	25.0	16.3		ug/L		65	49 - 141
4-Chloro-3-methylphenol	25.0	15.1		ug/L		61	14 - 150
Fluorene	25.0	18.3		ug/L		73	41 - 136
2-Chloronaphthalene	25.0	41.5	*+	ug/L		166	44 - 122
2-Chlorophenol	25.0	17.9		ug/L		71	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.2		ug/L		61	30 - 150
1-Methylnaphthalene	25.0	15.7		ug/L		63	36 - 117
4-Chlorophenyl phenyl ether	25.0	15.2		ug/L		61	51 - 125
2-Methylnaphthalene	25.0	16.5		ug/L		66	31 - 115
Dibenz[a,h]acridine	49.9	32.6		ug/L		65	50 - 150
Dibenzofuran	25.0	16.8		ug/L		67	55 - 125
3,3'-Dichlorobenzidine	33.3	19.1		ug/L		57	10 - 150
Phenanthrene	25.0	15.4		ug/L		62	50 - 133
2,4-Dichlorophenol	25.0	15.0		ug/L		60	11 - 150
Pyrene	25.0	15.6		ug/L		63	46 - 149
Diethyl phthalate	25.0	17.3		ug/L		69	61 - 130
2,4-Dimethylphenol	25.0	17.4		ug/L		70	5 - 150
Dimethyl phthalate	25.0	15.7		ug/L		63	55 - 139
Di-n-butyl phthalate	25.0	20.3		ug/L		81	50 - 150

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

Lab Sample ID: LCS 400-705687/2-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-ortho-cresol	50.0	44.8		ug/L		90	10 - 150
2,4-Dinitrophenol	50.0	38.6		ug/L		77	10 - 150
2,4-Dinitrotoluene	25.0	18.9		ug/L		75	46 - 137
2,6-Dinitrotoluene	25.0	18.4		ug/L		74	35 - 150
Di-n-octyl phthalate	25.0	17.6		ug/L		70	10 - 150
1,4-Dioxane	25.0	14.1		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.1	I	ug/L		68	49 - 125
Hexachlorobenzene	25.0	15.8		ug/L		63	53 - 126
Hexachlorocyclopentadiene	25.0	18.9	J	ug/L		76	10 - 150
Hexachloroethane	25.0	15.3		ug/L		61	10 - 112
Indene	50.0	26.4		ug/L		53	50 - 150
Isophorone	25.0	16.5		ug/L		66	51 - 125
2-Methylphenol	25.0	13.9		ug/L		56	42 - 120
3 & 4 Methylphenol	25.0	24.6		ug/L		98	10 - 150
2-Nitroaniline	25.0	19.4		ug/L		77	10 - 150
3-Nitroaniline	25.0	20.0		ug/L		80	10 - 150
4-Nitroaniline	25.0	26.3		ug/L		105	10 - 144
Nitrobenzene	25.0	16.8		ug/L		67	57 - 138
2-Nitrophenol	25.0	17.6		ug/L		70	21 - 150
4-Nitrophenol	50.0	48.5		ug/L		97	10 - 150
N-Nitrosodimethylamine	25.0	14.5		ug/L		58	10 - 136
N-Nitrosodi-n-propylamine	25.0	19.6		ug/L		78	53 - 134
N-Nitrosodiphenylamine	24.8	17.0		ug/L		68	62 - 132
Pentachlorophenol	50.0	38.6		ug/L		77	16 - 150
Phenol	25.0	23.8		ug/L		95	10 - 150
Pyridine	50.0	6.41	J	ug/L		13	10 - 150
Quinoline	49.9	33.6		ug/L		67	50 - 150
2,4,5-Trichlorophenol	25.0	17.2		ug/L		69	10 - 150
2,4,6-Trichlorophenol	25.0	18.3		ug/L		73	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*15 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Terphenyl-d14	*60*		*43 - 147*
2-Fluorobiphenyl	*73*		*15 - 150*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*75*		*50 - 150*
Phenol-d5	*99*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*89*		*10 - 150*

Lab Sample ID: LCS 400-705687/49-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	20.0		ug/L		40	10 - 150

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

Lab Sample ID: LCS 400-705687/49-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705687

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 150*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*82*		*50 - 150*
Phenol-d5	*84*		*10 - 150*
Terphenyl-d14	*69*		*43 - 147*
2,4,6-Tribromophenol	*79*		*10 - 150*

Lab Sample ID: LCSD 400-705687/3-A
Matrix: Water
Analysis Batch: 706656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	15.2		ug/L		61	44 - 122	1	40
Aniline			25.0	8.91	J	ug/L		36	10 - 150	15	40
Acenaphthylene			25.0	15.8		ug/L		63	42 - 125	1	40
Anthracene			25.0	16.3		ug/L		65	51 - 136	1	40
Benzoic acid			214	251	E	ug/L		117	10 - 180	3	40
Benzo[a]anthracene			25.0	16.8		ug/L		67	50 - 138	1	40
Benzyl alcohol			25.0	6.37	J	ug/L		25	10 - 150	8	40
Benzo[a]pyrene			25.0	16.0		ug/L		64	53 - 134	3	40
Bis(2-chloroethoxy)methane			25.0	17.7		ug/L		71	60 - 123	1	40
Benzo[b]fluoranthene			25.0	17.0		ug/L		68	50 - 134	1	40
Bis(2-chloroethyl)ether			25.0	16.2		ug/L		65	45 - 127	3	40
Benzo[g,h,i]perylene			25.0	16.3		ug/L		65	42 - 138	4	40
bis (2-chloroisopropyl) ether			25.0	16.5		ug/L		66	10 - 150	0	40
Benzo[k]fluoranthene			25.0	16.0		ug/L		64	55 - 136	4	40
Bis(2-ethylhexyl) phthalate			25.0	14.3		ug/L		57	10 - 147	1	40
4-Bromophenyl phenyl ether			25.0	17.1		ug/L		68	50 - 126	2	40
Chrysene			25.0	15.4		ug/L		62	53 - 141	2	40
Butyl benzyl phthalate			25.0	16.1		ug/L		65	36 - 137	14	40
Dibenz(a,h)anthracene			25.0	16.2		ug/L		65	41 - 139	4	40
4-Chloroaniline			25.0	12.0		ug/L		48	10 - 150	2	40
Fluoranthene			25.0	16.1		ug/L		65	49 - 141	1	40
4-Chloro-3-methylphenol			25.0	15.4		ug/L		62	14 - 150	2	40
Fluorene			25.0	18.2		ug/L		73	41 - 136	1	40
2-Chloronaphthalene			25.0	40.0	*+	ug/L		160	44 - 122	4	40
2-Chlorophenol			25.0	17.8		ug/L		71	10 - 150	0	40
Indeno[1,2,3-cd]pyrene			25.0	16.2		ug/L		65	30 - 150	6	40
1-Methylnaphthalene			25.0	15.5		ug/L		62	36 - 117	2	40
4-Chlorophenyl phenyl ether			25.0	15.1		ug/L		60	51 - 125	1	40
2-Methylnaphthalene			25.0	16.5		ug/L		66	31 - 115	0	40
Dibenz[a,h]acridine			49.9	35.6		ug/L		71	50 - 150	9	40
Dibenzofuran			25.0	16.6		ug/L		66	55 - 125	1	40
3,3'-Dichlorobenzidine			33.3	19.7		ug/L		59	10 - 150	3	40
Phenanthrene			25.0	15.5		ug/L		62	50 - 133	0	40
2,4-Dichlorophenol			25.0	16.0		ug/L		64	11 - 150	6	40
Pyrene			25.0	15.6		ug/L		62	46 - 149	0	40
Diethyl phthalate			25.0	16.9		ug/L		68	61 - 130	2	40

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

Lab Sample ID: LCSD 400-705687/3-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			25.0	18.1		ug/L		73	5 - 150	4	40
Dimethyl phthalate			25.0	15.4		ug/L		62	55 - 139	2	40
Di-n-butyl phthalate			25.0	19.1		ug/L		76	50 - 150	6	40
4,6-Dinitro-ortho-cresol			50.0	47.1		ug/L		94	10 - 150	5	40
2,4-Dinitrophenol			50.0	39.0		ug/L		78	10 - 150	1	40
2,4-Dinitrotoluene			25.0	18.7		ug/L		75	46 - 137	1	40
2,6-Dinitrotoluene			25.0	18.8		ug/L		75	35 - 150	2	40
Di-n-octyl phthalate			25.0	17.2		ug/L		69	10 - 150	2	40
1,4-Dioxane			25.0	13.6		ug/L		54	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	16.8	I	ug/L		67	49 - 125	2	40
Hexachlorobenzene			25.0	15.7		ug/L		63	53 - 126	1	40
Hexachlorocyclopentadiene			25.0	18.8	J	ug/L		75	10 - 150	0	40
Hexachloroethane			25.0	15.1		ug/L		60	10 - 112	2	40
Indene			50.0	26.1		ug/L		52	50 - 150	1	40
Isophorone			25.0	16.3		ug/L		65	51 - 125	1	40
2-Methylphenol			25.0	14.7		ug/L		59	42 - 120	5	40
3 & 4 Methylphenol			25.0	25.5		ug/L		102	10 - 150	4	40
2-Nitroaniline			25.0	19.2		ug/L		77	10 - 150	1	40
3-Nitroaniline			25.0	20.1		ug/L		80	10 - 150	0	40
4-Nitroaniline			25.0	26.3		ug/L		105	10 - 144	0	40
Nitrobenzene			25.0	16.8		ug/L		67	57 - 138	0	40
2-Nitrophenol			25.0	17.5		ug/L		70	21 - 150	0	40
4-Nitrophenol			50.0	48.7		ug/L		97	10 - 150	0	40
N-Nitrosodimethylamine			25.0	14.7		ug/L		59	10 - 136	1	40
N-Nitrosodi-n-propylamine			25.0	19.1		ug/L		76	53 - 134	3	40
N-Nitrosodiphenylamine			24.8	16.5		ug/L		67	62 - 132	3	40
Pentachlorophenol			50.0	38.4		ug/L		77	16 - 150	1	40
Phenol			25.0	22.6		ug/L		90	10 - 150	5	40
Pyridine			50.0	6.44	J	ug/L		13	10 - 150	1	40
Quinoline			49.9	35.6		ug/L		71	50 - 150	6	40
2,4,5-Trichlorophenol			25.0	17.6		ug/L		70	10 - 150	2	40
2,4,6-Trichlorophenol			25.0	17.8		ug/L		71	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*15 - 150*
Nitrobenzene-d5	*73*		*50 - 150*
Terphenyl-d14	*60*		*43 - 147*
2-Fluorobiphenyl	*74*		*15 - 150*
2-Fluorophenol	*92*		*10 - 150*
Nitrobenzene-d5	*73*		*50 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*76*		*10 - 150*

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

Lab Sample ID: LCSD 400-705687/50-A
Matrix: Water
Analysis Batch: 706657

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705687

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	19.8		ug/L		40	10 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
2-Fluorophenol	*102*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Phenol-d5	*90*		*10 - 150*
Terphenyl-d14	*67*		*43 - 147*
2,4,6-Tribromophenol	*81*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-705771/1-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/15/25 10:38	04/15/25 14:31	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/15/25 10:38	04/15/25 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*51 - 149*	*04/15/25 10:38*	*04/15/25 14:31*	*1*

Lab Sample ID: LCS 400-705771/2-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane			0.101	0.108		ug/L		107	60 - 140
1,2-Dibromoethane			0.100	0.109		ug/L		109	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Lab Sample ID: LCSD 400-705771/3-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.102		ug/L		101	60 - 140	6	30
1,2-Dibromoethane			0.100	0.110		ug/L		110	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/8/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __1__
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 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: 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 – 3.2.2

FIELD NOTES:
3.0 C
3.6° C ZRAD

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040825-8260-BP	4/8/2025	0000	Water	2					2	X			
	TB-ROX-040825-8011-BP	4/8/2025	0000	Water	2					2		X		
	MW23-ROX-040825	4/8/2025	1305	Water	6			4		10	X	X	X	X

400-274051 Chain of Custody

SM 040825

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496016204/ 423496016215	4/8/2025	1600
	EET'S	4/9/25	930

Version: 19Sept24

CUSTODY SEALS: 2779073, 2779072, 2779071, 2779070

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274051-1

Login Number: 274051
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	3.0°C, 3.6°C IR-10
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: 400-274051-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274080-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/9/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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
MW6D-ROX-040925 MS/MSD	VOCs	Acetone	**42**/46	8	43-150/30
MW6D-ROX-040925 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**6**/**0**	0	10–150/50
MW6D-ROX-040925 MS/MSD	VOCs	tert-Butylbenzene	92/128	**33**	54–146/30
MW6D-ROX-040925 MS/MSD	SVOCs	Aniline	**25**/**22**	14	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	Benzoic acid	147/**160**	9	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	Benzyl alcohol	**0**/**0**	NC	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	Bis(2-ethylhexyl) phthalate	**43**/**39**	10	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	4-Chloroaniline	**45**/50	9	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	2-Chloronaphthalene	**189**/**189**	0	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	2,4-Dimethylphenol	**2**/62	**188**	50–150/40

Stage 2A Validation						
Item Reviewed	**Acceptable Criteria**		**Quality Condition**			**Comments**
			Pass	**Fail[1]**	**N/A**	
MW6D-ROX-040925 MS/MSD	SVOCs	Di-n-octyl phthalate		51/**44**	13	50–150/40
MW6D-ROX-040925 MS/MSD	SVOCs	Pyridine		**29**/**17**	**52**	50–150/40

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. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW6D-ROX-040925	VOCs	Acetone	**UJ**
MW6D-ROX-040925	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW6D-ROX-040925	SVOCs	Aniline	**UJ**
MW6D-ROX-040925	SVOCs	Bis(2-ethylhexyl) phthalate	**UJ**
MW6D-ROX-040925	SVOCs	4-Chloroaniline	**UJ**
MW6D-ROX-040925	SVOCs	2,4-Dimethylphenol	**UJ**
MW6D-ROX-040925	SVOCs	Di-n-octyl phthalate	**UJ**
MW6D-ROX-040925	SVOCs	Pyridine	**UJ**

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.

Method 8270E (SVOCs)
Benzyl alcohol in sample MW6D-ROX-040925 was previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualification is required.

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 400-706559/1002	VOCs	n-Butylbenzene	**139**	NC	67-130
LCS 400-705925/26-A	SVOCs	Benzyl alcohol	**1**	NC	10-150
LCS 400-705925/26-A	SVOCs	2-Chloronaphthalene	**212**	NC	44-122

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. Equipment blanks are quality control samples and do not require qualification.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) Professional judgment was used to qualify, however not reject, data associated with benzyl alcohol below evaluation criteria; this has been identified as a poor-performing analyte under Method 8270.					
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			

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-040925	SVOCs	Benzyl alcohol	**UJ**
MW5-ROX-040925	SVOCs	Benzyl alcohol	**UJ**
MW6D-ROX-040925	SVOCs	Benzyl alcohol	**UJ**

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			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**	
	coefficient/correlation criteria				
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. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Benzyl alcohol and pyridine in sample MW16-ROX-040825 was previously qualified due to matrix spike recoveries outside evaluation criteria; no further qualification was required.

Pyridine and/or benzyl alcohol in samples MW3-ROX-040925, MW5-ROX-040925 and MW6D-ROX-040925 were previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualification was required.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-040925	SVOCs	2-Methylphenol	**UJ**
MW3-ROX-040925	SVOCs	4-Nitrophenol	**UJ**
MW3-ROX-040925	SVOCs	Pyridine	**UJ**
MW5-ROX-040925	SVOCs	2-Methylphenol	**UJ**
MW5-ROX-040925	SVOCs	4-Nitrophenol	**UJ**
MW5-ROX-040925	SVOCs	Pyridine	**UJ**

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW6D-ROX-040925	SVOCs	2-Methylphenol			**UJ**	
MW6D-ROX-040925	SVOCs	4-Nitrophenol			**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 4/28/2025 2:07:16 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274080-1

Reviewed 7/16/2025
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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4/28/2025 2:07:16 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-274080-1

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 4/10/2025 9:20 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 3.1°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706559 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, o-Chlorotoluene, p-Chlorotoluene, p-Isopropyltoluene, N-Propylbenzene 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 400-706559/2).

Method 8260D: The matrix spike (MS) recoveries for analytical batch 400-706559 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 400-706559 was outside control limits. Sample matrix interference is suspected.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-706559 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 400-706559 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-706559 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 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-040925-8260 (400-274080-1), MW3-ROX-040925-EB (400-274080-3), MW3-ROX-040925 (400-274080-4), MW5-ROX-040925 (400-274080-5) and MW6D-ROX-040925 (400-274080-6). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

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 400-702953 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 initial calibration verification (ICV) analyzed in batch 400-702953 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-705925 and

analytical batch 400-707054 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 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-707054 recovered above the upper control limit for N-Nitrosodi-n-propylamine. 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 400-707054 recovered outside acceptance criteria, low biased, for 2-Methylphenol, 4-Nitrophenol and Benzyl alcohol. 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 400-705925 and analytical batch 400-707054: 2-Chloronaphthalene and Benzyl alcohol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 400-705925 and analytical batch 400-707054 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA
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: 400-274080-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274080-1	TB-ROX-040925-8260	Water	04/09/25 00:00	04/10/25 09:20
400-274080-2	TB-ROX-040925-8011	Water	04/09/25 00:00	04/10/25 09:20
400-274080-3	MW3-ROX-040925-EB	Water	04/09/25 08:50	04/10/25 09:20
400-274080-4	MW3-ROX-040925	Water	04/09/25 10:50	04/10/25 09:20
400-274080-5	MW5-ROX-040925	Water	04/09/25 12:05	04/10/25 09:20
400-274080-6	MW6D-ROX-040925	Water	04/09/25 13:45	04/10/25 09:20

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: TB-ROX-040925-8260 — Lab Sample ID: 400-274080-1

No Detections.

Client Sample ID: TB-ROX-040925-8011 — Lab Sample ID: 400-274080-2

No Detections.

Client Sample ID: MW3-ROX-040925-EB — Lab Sample ID: 400-274080-3

No Detections.

Client Sample ID: MW3-ROX-040925 — Lab Sample ID: 400-274080-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.69	J	1.0	0.22	ug/L	1		8260D	Total/NA
Benzoic acid	28	J	30	27	ug/L	1		8270E	Total/NA
1,4-Dioxane	0.17	J	10	0.070	ug/L	1		8270E	Total/NA

Client Sample ID: MW5-ROX-040925 — Lab Sample ID: 400-274080-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.0		1.0	0.22	ug/L	1		8260D	Total/NA
tert-Butylbenzene	2.2		1.0	0.63	ug/L	1		8260D	Total/NA

Client Sample ID: MW6D-ROX-040925 — Lab Sample ID: 400-274080-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.76	J	1.0	0.50	ug/L	1		8260D	Total/NA
Benzo[a]anthracene	0.083	J	0.20	0.040	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.11	J	0.20	0.045	ug/L	1		8270E	Total/NA
Benzo[b]fluoranthene	0.19	J	0.20	0.042	ug/L	1		8270E	Total/NA
Benzo[g,h,i]perylene	0.14	J	0.20	0.053	ug/L	1		8270E	Total/NA
Chrysene	0.22		0.20	0.039	ug/L	1		8270E	Total/NA
Fluoranthene	0.18	J	0.20	0.032	ug/L	1		8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.081	J	0.20	0.032	ug/L	1		8270E	Total/NA
Phenanthrene	0.20		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.24		0.20	0.096	ug/L	1		8270E	Total/NA
1,4-Dioxane	0.17	J	10	0.071	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: TB-ROX-040925-8260
Date Collected: 04/09/25 00:00
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-1
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			04/22/25 14:43	1
Acrolein	ND		20	3.3	ug/L			04/22/25 14:43	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 14:43	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 14:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 14:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 14:43	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 14:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 14:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 14:43	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 14:43	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 14:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 14:43	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 14:43	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 14:43	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 14:43	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 14:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 14:43	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 14:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 14:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 14:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 14:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 14:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 14:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 14:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 14:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 14:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 14:43	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 14:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 14:43	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 14:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 14:43	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 14:43	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 14:43	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 14:43	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			04/22/25 14:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 14:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 14:43	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 14:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 14:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 14:43	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: TB-ROX-040925-8260
Date Collected: 04/09/25 00:00
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-1
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			04/22/25 14:43	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 14:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 14:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 14:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 14:43	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 14:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 14:43	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 14:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 14:43	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 14:43	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 14:43	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 14:43	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 14:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 14:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 14:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 14:43	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 14:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 14:43	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*04/22/25 14:43*	*1*
Dibromofluoromethane	*90*		*79 - 130*		*04/22/25 14:43*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/22/25 14:43*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: TB-ROX-040925-8011
Date Collected: 04/09/25 00:00
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/15/25 10:38	04/15/25 18:28	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*58*		*51 - 149*	*04/15/25 10:38*	*04/15/25 18:28*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: MW3-ROX-040925-EB
Date Collected: 04/09/25 08:50
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-3
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			04/22/25 15:08	1
Acrolein	ND		20	3.3	ug/L			04/22/25 15:08	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 15:08	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 15:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 15:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 15:08	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 15:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 15:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 15:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 15:08	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 15:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 15:08	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 15:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 15:08	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 15:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 15:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 15:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 15:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 15:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 15:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 15:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 15:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 15:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 15:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 15:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 15:08	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 15:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 15:08	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 15:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 15:08	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 15:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:08	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 15:08	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			04/22/25 15:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 15:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 15:08	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 15:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 15:08	1

Client Sample ID: MW3-ROX-040925-EB
Date Collected: 04/09/25 08:50
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-3
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			04/22/25 15:08	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 15:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 15:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 15:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 15:08	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 15:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 15:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 15:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 15:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 15:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 15:08	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 15:08	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 15:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 15:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 15:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 15:08	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 15:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 15:08	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/22/25 15:08*	*1*
Dibromofluoromethane	*89*		*79 - 130*		*04/22/25 15:08*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/22/25 15:08*	*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	0.085	ug/L		04/16/25 07:00	04/25/25 13:43	1
Aniline	ND		10	0.74	ug/L		04/16/25 07:00	04/25/25 13:43	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzenethiol	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 13:43	1
Anthracene	ND		0.20	0.073	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzoic acid	ND		30	27	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzyl alcohol	ND	*-	10	1.9	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/16/25 07:00	04/25/25 13:43	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/16/25 07:00	04/25/25 13:43	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/16/25 07:00	04/25/25 13:43	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/16/25 07:00	04/25/25 13:43	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 13:43	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/16/25 07:00	04/25/25 13:43	1
Chrysene	ND		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 13:43	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Chloroaniline	ND		10	0.28	ug/L		04/16/25 07:00	04/25/25 13:43	1

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW3-ROX-040925-EB
Lab Sample ID: 400-274080-3
Date Collected: 04/09/25 08:50
Matrix: Water
Date Received: 04/10/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/16/25 07:00	04/25/25 13:43	1
Fluorene	ND		0.20	0.087	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Chlorophenol	ND		10	0.22	ug/L		04/16/25 07:00	04/25/25 13:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 13:43	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/16/25 07:00	04/25/25 13:43	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/16/25 07:00	04/25/25 13:43	1
Dibenzofuran	ND		10	0.15	ug/L		04/16/25 07:00	04/25/25 13:43	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/16/25 07:00	04/25/25 13:43	1
Phenanthrene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/16/25 07:00	04/25/25 13:43	1
Pyrene	ND		0.20	0.095	ug/L		04/16/25 07:00	04/25/25 13:43	1
Diethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 13:43	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/16/25 07:00	04/25/25 13:43	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 13:43	1
1,4-Dioxane	ND		10	0.070	ug/L		04/16/25 07:00	04/25/25 13:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/16/25 07:00	04/25/25 13:43	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/16/25 07:00	04/25/25 13:43	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/16/25 07:00	04/25/25 13:43	1
Hexachloroethane	ND		10	0.53	ug/L		04/16/25 07:00	04/25/25 13:43	1
Indene	ND		10	0.44	ug/L		04/16/25 07:00	04/25/25 13:43	1
Isophorone	ND		10	0.80	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Methylphenol	ND		10	0.30	ug/L		04/16/25 07:00	04/25/25 13:43	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Nitroaniline	ND		10	1.4	ug/L		04/16/25 07:00	04/25/25 13:43	1
3-Nitroaniline	ND		10	0.95	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Nitroaniline	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 13:43	1
Nitrobenzene	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 13:43	1
2-Nitrophenol	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 13:43	1
4-Nitrophenol	ND		10	2.7	ug/L		04/16/25 07:00	04/25/25 13:43	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/16/25 07:00	04/25/25 13:43	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/16/25 07:00	04/25/25 13:43	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/16/25 07:00	04/25/25 13:43	1
Pentachlorophenol	ND		10	0.41	ug/L		04/16/25 07:00	04/25/25 13:43	1
Phenol	ND		10	0.27	ug/L		04/16/25 07:00	04/25/25 13:43	1
Pyridine	ND		10	0.64	ug/L		04/16/25 07:00	04/25/25 13:43	1
Quinoline	ND		10	0.50	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/16/25 07:00	04/25/25 13:43	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/16/25 07:00	04/25/25 13:43	1

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW3-ROX-040925-EB
Lab Sample ID: 400-274080-3
Date Collected: 04/09/25 08:50
Matrix: Water
Date Received: 04/10/25 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
Terphenyl-d14	*83*		*43 - 147*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
2-Fluorobiphenyl	*87*		*15 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
2-Fluorophenol	*112*		*10 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
Phenol-d5	*81*		*10 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
Terphenyl-d14	*83*		*43 - 147*	*04/16/25 07:00*	*04/25/25 13:43*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*04/16/25 07:00*	*04/25/25 13:43*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/15/25 10:38	04/15/25 18:49	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/15/25 10:38	04/15/25 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*72*		*51 - 149*	*04/15/25 10:38*	*04/15/25 18:49*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: MW3-ROX-040925
Date Collected: 04/09/25 10:50
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-4
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			04/22/25 15:32	1
Acrolein	ND		20	3.3	ug/L			04/22/25 15:32	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 15:32	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 15:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 15:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 15:32	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 15:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 15:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 15:32	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 15:32	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 15:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 15:32	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 15:32	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 15:32	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 15:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 15:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 15:32	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 15:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 15:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 15:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 15:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 15:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 15:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 15:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 15:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 15:32	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 15:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 15:32	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 15:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 15:32	1
Methyl tert-butyl ether	**0.69**	**J**	1.0	0.22	ug/L			04/22/25 15:32	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:32	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 15:32	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			04/22/25 15:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 15:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 15:32	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 15:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 15:32	1

Client Sample ID: MW3-ROX-040925
Date Collected: 04/09/25 10:50
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-4
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			04/22/25 15:32	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 15:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 15:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 15:32	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:32	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 15:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 15:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 15:32	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 15:32	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 15:32	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 15:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 15:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 15:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 15:32	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 15:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 15:32	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/22/25 15:32*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/22/25 15:32*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/22/25 15:32*	*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		04/16/25 07:00	04/25/25 14:13	1
Aniline	ND		10	0.74	ug/L		04/16/25 07:00	04/25/25 14:13	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzenethiol	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 14:13	1
Anthracene	ND		0.20	0.073	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzoic acid	**28**	**J**	30	27	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzyl alcohol	ND	*- UJ	10	1.9	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/16/25 07:00	04/25/25 14:13	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/16/25 07:00	04/25/25 14:13	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/16/25 07:00	04/25/25 14:13	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/16/25 07:00	04/25/25 14:13	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 14:13	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/16/25 07:00	04/25/25 14:13	1
Chrysene	ND		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 14:13	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Chloroaniline	ND		10	0.28	ug/L		04/16/25 07:00	04/25/25 14:13	1

Client Sample ID: MW3-ROX-040925
Date Collected: 04/09/25 10:50
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/16/25 07:00	04/25/25 14:13	1
Fluorene	ND		0.20	0.087	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Chlorophenol	ND		10	0.22	ug/L		04/16/25 07:00	04/25/25 14:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 14:13	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/16/25 07:00	04/25/25 14:13	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/16/25 07:00	04/25/25 14:13	1
Dibenzofuran	ND		10	0.15	ug/L		04/16/25 07:00	04/25/25 14:13	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/16/25 07:00	04/25/25 14:13	1
Phenanthrene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/16/25 07:00	04/25/25 14:13	1
Pyrene	ND		0.20	0.095	ug/L		04/16/25 07:00	04/25/25 14:13	1
Diethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 14:13	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/16/25 07:00	04/25/25 14:13	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 14:13	1
1,4-Dioxane	**0.17**	**J**	10	0.070	ug/L		04/16/25 07:00	04/25/25 14:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/16/25 07:00	04/25/25 14:13	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/16/25 07:00	04/25/25 14:13	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/16/25 07:00	04/25/25 14:13	1
Hexachloroethane	ND		10	0.53	ug/L		04/16/25 07:00	04/25/25 14:13	1
Indene	ND		10	0.44	ug/L		04/16/25 07:00	04/25/25 14:13	1
Isophorone	ND		10	0.80	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/16/25 07:00	04/25/25 14:13	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Nitroaniline	ND		10	1.4	ug/L		04/16/25 07:00	04/25/25 14:13	1
3-Nitroaniline	ND		10	0.95	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Nitroaniline	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 14:13	1
Nitrobenzene	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 14:13	1
2-Nitrophenol	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 14:13	1
4-Nitrophenol	ND	UJ	10	2.7	ug/L		04/16/25 07:00	04/25/25 14:13	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/16/25 07:00	04/25/25 14:13	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/16/25 07:00	04/25/25 14:13	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/16/25 07:00	04/25/25 14:13	1
Pentachlorophenol	ND		10	0.41	ug/L		04/16/25 07:00	04/25/25 14:13	1
Phenol	ND		10	0.27	ug/L		04/16/25 07:00	04/25/25 14:13	1
Pyridine	ND	UJ	10	0.64	ug/L		04/16/25 07:00	04/25/25 14:13	1
Quinoline	ND		10	0.50	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/16/25 07:00	04/25/25 14:13	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/16/25 07:00	04/25/25 14:13	1

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW3-ROX-040925
Lab Sample ID: 400-274080-4

Date Collected: 04/09/25 10:50
Matrix: Water
Date Received: 04/10/25 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*15 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
Terphenyl-d14	*81*		*43 - 147*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
2-Fluorobiphenyl	*90*		*15 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
2-Fluorophenol	*115*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
Phenol-d5	*111*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
Terphenyl-d14	*81*		*43 - 147*	*04/16/25 07:00*	*04/25/25 14:13*	*1*
2,4,6-Tribromophenol	*74*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:13*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/15/25 10:38	04/15/25 19:11	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*58*		*51 - 149*	*04/15/25 10:38*	*04/15/25 19:11*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Client Sample ID: MW5-ROX-040925
Date Collected: 04/09/25 12:05
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-5
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			04/22/25 15:57	1
Acrolein	ND		20	3.3	ug/L			04/22/25 15:57	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 15:57	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 15:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 15:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 15:57	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 15:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 15:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 15:57	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 15:57	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 15:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 15:57	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 15:57	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 15:57	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 15:57	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 15:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 15:57	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 15:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 15:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 15:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 15:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 15:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 15:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 15:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 15:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 15:57	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 15:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 15:57	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 15:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 15:57	1
Methyl tert-butyl ether	**2.0**		1.0	0.22	ug/L			04/22/25 15:57	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:57	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 15:57	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			04/22/25 15:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 15:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 15:57	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 15:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 15:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 15:57	1

Client Sample ID: MW5-ROX-040925
Date Collected: 04/09/25 12:05
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-5
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			04/22/25 15:57	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 15:57	1
tert-Butylbenzene	**2.2**		1.0	0.63	ug/L			04/22/25 15:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 15:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 15:57	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 15:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 15:57	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 15:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 15:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 15:57	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 15:57	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 15:57	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 15:57	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 15:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 15:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 15:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 15:57	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 15:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 15:57	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/22/25 15:57*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/22/25 15:57*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/22/25 15:57*	*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		04/16/25 07:00	04/25/25 14:44	1
Aniline	ND		9.8	0.73	ug/L		04/16/25 07:00	04/25/25 14:44	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzenethiol	ND		9.8	0.59	ug/L		04/16/25 07:00	04/25/25 14:44	1
Anthracene	ND		0.20	0.072	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzoic acid	ND		30	27	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzyl alcohol	ND	*- UJ	9.8	1.8	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 14:44	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/16/25 07:00	04/25/25 14:44	1
Bis(2-chloroethyl)ether	ND		9.8	0.14	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/16/25 07:00	04/25/25 14:44	1
bis (2-chloroisopropyl) ether	ND		9.8	0.20	ug/L		04/16/25 07:00	04/25/25 14:44	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 14:44	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/16/25 07:00	04/25/25 14:44	1
Chrysene	ND		0.20	0.038	ug/L		04/16/25 07:00	04/25/25 14:44	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Chloroaniline	ND		9.8	0.28	ug/L		04/16/25 07:00	04/25/25 14:44	1

Client Sample ID: MW5-ROX-040925
Date Collected: 04/09/25 12:05
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.031	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		04/16/25 07:00	04/25/25 14:44	1
Fluorene	ND		0.20	0.086	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Chloronaphthalene	ND	*+	9.8	0.37	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Chlorophenol	ND		9.8	0.22	ug/L		04/16/25 07:00	04/25/25 14:44	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/16/25 07:00	04/25/25 14:44	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/16/25 07:00	04/25/25 14:44	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		04/16/25 07:00	04/25/25 14:44	1
Dibenzofuran	ND		9.8	0.15	ug/L		04/16/25 07:00	04/25/25 14:44	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/16/25 07:00	04/25/25 14:44	1
Phenanthrene	ND		0.20	0.043	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/16/25 07:00	04/25/25 14:44	1
Pyrene	ND		0.20	0.093	ug/L		04/16/25 07:00	04/25/25 14:44	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		04/16/25 07:00	04/25/25 14:44	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		04/16/25 07:00	04/25/25 14:44	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/16/25 07:00	04/25/25 14:44	1
1,4-Dioxane	ND		9.8	0.069	ug/L		04/16/25 07:00	04/25/25 14:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.31	ug/L		04/16/25 07:00	04/25/25 14:44	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		04/16/25 07:00	04/25/25 14:44	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/16/25 07:00	04/25/25 14:44	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/16/25 07:00	04/25/25 14:44	1
Indene	ND		9.8	0.43	ug/L		04/16/25 07:00	04/25/25 14:44	1
Isophorone	ND		9.8	0.79	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Methylphenol	ND	UJ	9.8	0.30	ug/L		04/16/25 07:00	04/25/25 14:44	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/16/25 07:00	04/25/25 14:44	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Nitroaniline	ND		9.8	1.2	ug/L		04/16/25 07:00	04/25/25 14:44	1
Nitrobenzene	ND		9.8	0.59	ug/L		04/16/25 07:00	04/25/25 14:44	1
2-Nitrophenol	ND		9.8	1.2	ug/L		04/16/25 07:00	04/25/25 14:44	1
4-Nitrophenol	ND	UJ	9.8	2.7	ug/L		04/16/25 07:00	04/25/25 14:44	1
N-Nitrosodimethylamine	ND		9.8	0.23	ug/L		04/16/25 07:00	04/25/25 14:44	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/16/25 07:00	04/25/25 14:44	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/16/25 07:00	04/25/25 14:44	1
Pentachlorophenol	ND		9.8	0.40	ug/L		04/16/25 07:00	04/25/25 14:44	1
Phenol	ND		9.8	0.27	ug/L		04/16/25 07:00	04/25/25 14:44	1
Pyridine	ND	UJ	9.8	0.63	ug/L		04/16/25 07:00	04/25/25 14:44	1
Quinoline	ND		9.8	0.49	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/16/25 07:00	04/25/25 14:44	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/16/25 07:00	04/25/25 14:44	1

Client Sample ID: MW5-ROX-040925
Lab Sample ID: 400-274080-5
Date Collected: 04/09/25 12:05
Matrix: Water
Date Received: 04/10/25 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
Terphenyl-d14	*80*		*43 - 147*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
2-Fluorophenol	*110*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
Nitrobenzene-d5	*100*		*50 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
Phenol-d5	*102*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
Terphenyl-d14	*80*		*43 - 147*	*04/16/25 07:00*	*04/25/25 14:44*	*1*
2,4,6-Tribromophenol	*60*		*10 - 150*	*04/16/25 07:00*	*04/25/25 14:44*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/15/25 10:38	04/15/25 19:32	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/15/25 10:38*	*04/15/25 19:32*	*1*

Client Sample ID: MW6D-ROX-040925
Date Collected: 04/09/25 13:45
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-6
Matrix: Water

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			04/22/25 12:41	1
Acrolein	ND		20	3.3	ug/L			04/22/25 12:41	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 12:41	1
Benzene	**0.76**	**J**	1.0	0.50	ug/L			04/22/25 12:41	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 12:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 12:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 12:41	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 12:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 12:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 12:41	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 12:41	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 12:41	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 12:41	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/22/25 12:41	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 12:41	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 12:41	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 12:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 12:41	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 12:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 12:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 12:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 12:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 12:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 12:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 12:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 12:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 12:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 12:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 12:41	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 12:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 12:41	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 12:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 12:41	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 12:41	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 12:41	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 12:41	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			04/22/25 12:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 12:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 12:41	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 12:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 12:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 12:41	1

Client Sample ID: MW6D-ROX-040925
Date Collected: 04/09/25 13:45
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-6
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			04/22/25 12:41	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 12:41	1
tert-Butylbenzene	ND	F2	1.0	0.63	ug/L			04/22/25 12:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 12:41	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 12:41	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 12:41	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 12:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 12:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 12:41	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 12:41	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 12:41	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 12:41	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 12:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 12:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 12:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 12:41	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 12:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 12:41	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*56 - 136*		*04/22/25 12:41*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/22/25 12:41*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*04/22/25 12:41*	*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		04/16/25 07:00	04/25/25 15:14	1
Aniline	ND	F1 UJ	10	0.75	ug/L		04/16/25 07:00	04/25/25 15:14	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzenethiol	ND		10	0.61	ug/L		04/16/25 07:00	04/25/25 15:14	1
Anthracene	ND		0.20	0.074	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzoic acid	ND	F1	30	27	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzo[a]anthracene	**0.083**	**J**	0.20	0.040	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzyl alcohol	ND	F1 *- UJ	10	1.9	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzo[a]pyrene	**0.11**	**J**	0.20	0.045	ug/L		04/16/25 07:00	04/25/25 15:14	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzo[b]fluoranthene	**0.19**	**J**	0.20	0.042	ug/L		04/16/25 07:00	04/25/25 15:14	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzo[g,h,i]perylene	**0.14**	**J**	0.20	0.053	ug/L		04/16/25 07:00	04/25/25 15:14	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/16/25 07:00	04/25/25 15:14	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 15:14	1
Bis(2-ethylhexyl) phthalate	ND	F1 UJ	10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/16/25 07:00	04/25/25 15:14	1
Chrysene	**0.22**		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 15:14	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Chloroaniline	ND	F1 UJ	10	0.28	ug/L		04/16/25 07:00	04/25/25 15:14	1

Client Sample ID: MW6D-ROX-040925
Date Collected: 04/09/25 13:45
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**0.18**	**J**	0.20	0.032	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Chloro-3-methylphenol	ND		10	0.74	ug/L		04/16/25 07:00	04/25/25 15:14	1
Fluorene	ND		0.20	0.088	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Chloronaphthalene	ND	F1 *+	10	0.38	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Chlorophenol	ND		10	0.22	ug/L		04/16/25 07:00	04/25/25 15:14	1
Indeno[1,2,3-cd]pyrene	**0.081**	**J**	0.20	0.032	ug/L		04/16/25 07:00	04/25/25 15:14	1
1-Methylnaphthalene	ND		0.20	0.067	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		04/16/25 07:00	04/25/25 15:14	1
Dibenz[a,h]acridine	ND		10	0.70	ug/L		04/16/25 07:00	04/25/25 15:14	1
Dibenzofuran	ND		10	0.15	ug/L		04/16/25 07:00	04/25/25 15:14	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/16/25 07:00	04/25/25 15:14	1
Phenanthrene	**0.20**		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4-Dichlorophenol	ND		10	0.58	ug/L		04/16/25 07:00	04/25/25 15:14	1
Pyrene	**0.24**		0.20	0.096	ug/L		04/16/25 07:00	04/25/25 15:14	1
Diethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4-Dimethylphenol	ND	F2 F1 UJ	10	0.24	ug/L		04/16/25 07:00	04/25/25 15:14	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4-Dinitrotoluene	ND		10	0.66	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/16/25 07:00	04/25/25 15:14	1
Di-n-octyl phthalate	ND	F1UJ	10	4.0	ug/L		04/16/25 07:00	04/25/25 15:14	1
1,4-Dioxane	**0.17**	**J**	10	0.071	ug/L		04/16/25 07:00	04/25/25 15:14	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/16/25 07:00	04/25/25 15:14	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/16/25 07:00	04/25/25 15:14	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/16/25 07:00	04/25/25 15:14	1
Hexachloroethane	ND		10	0.54	ug/L		04/16/25 07:00	04/25/25 15:14	1
Indene	ND		10	0.44	ug/L		04/16/25 07:00	04/25/25 15:14	1
Isophorone	ND		10	0.81	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/16/25 07:00	04/25/25 15:14	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Nitroaniline	ND		10	1.4	ug/L		04/16/25 07:00	04/25/25 15:14	1
3-Nitroaniline	ND		10	0.96	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Nitroaniline	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 15:14	1
Nitrobenzene	ND		10	0.61	ug/L		04/16/25 07:00	04/25/25 15:14	1
2-Nitrophenol	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 15:14	1
4-Nitrophenol	ND	UJ	10	2.8	ug/L		04/16/25 07:00	04/25/25 15:14	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/16/25 07:00	04/25/25 15:14	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/16/25 07:00	04/25/25 15:14	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/16/25 07:00	04/25/25 15:14	1
Pentachlorophenol	ND		10	0.41	ug/L		04/16/25 07:00	04/25/25 15:14	1
Phenol	ND		10	0.27	ug/L		04/16/25 07:00	04/25/25 15:14	1
Pyridine	ND	F1 F2 UJ	10	0.65	ug/L		04/16/25 07:00	04/25/25 15:14	1
Quinoline	ND		10	0.51	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4,5-Trichlorophenol	ND		10	0.55	ug/L		04/16/25 07:00	04/25/25 15:14	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/16/25 07:00	04/25/25 15:14	1

Client Sample ID: MW6D-ROX-040925
Lab Sample ID: 400-274080-6
Date Collected: 04/09/25 13:45
Matrix: Water
Date Received: 04/10/25 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
Terphenyl-d14	*72*		*43 - 147*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
2-Fluorobiphenyl	*85*		*15 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
2-Fluorophenol	*101*		*10 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
Phenol-d5	*88*		*10 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
Terphenyl-d14	*72*		*43 - 147*	*04/16/25 07:00*	*04/25/25 15:14*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*04/16/25 07:00*	*04/25/25 15:14*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/15/25 10:38	04/15/25 19:54	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*51 - 149*	*04/15/25 10:38*	*04/15/25 19:54*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-274080-1
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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274080-1

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)
400-274080-1	TB-ROX-040925-8260	109	90	103
400-274080-3	MW3-ROX-040925-EB	107	89	103
400-274080-4	MW3-ROX-040925	108	91	103
400-274080-5	MW5-ROX-040925	108	91	101
400-274080-6	MW6D-ROX-040925	110	91	104
400-274080-6 MS	MW6D-ROX-040925	106	92	103
400-274080-6 MSD	MW6D-ROX-040925	108	92	101
LCS 400-706559/1002	Lab Control Sample	109	88	103
MB 400-706559/4	Method Blank	108	88	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274080-3	MW3-ROX-040925-EB	87	87	92	92	83	83	112	81
400-274080-4	MW3-ROX-040925	90	90	100	100	81	81	115	111
400-274080-5	MW5-ROX-040925	80	80	100	100	80	80	110	102
400-274080-6	MW6D-ROX-040925	85	85	95	95	72	72	101	88
400-274080-6 MS	MW6D-ROX-040925	80	80	84	84	64	64	93	102
400-274080-6 MSD	MW6D-ROX-040925	77	77	85	85	65	65	91	111
LCS 400-705925/26-A	Lab Control Sample	89	89	96	96	77	77	114	119
LCS 400-705925/51-A	Lab Control Sample	97	97	103	103	82	82	119	105
LCSD 400-705925/52-A	Lab Control Sample Dup	95	95	108	108	91	91	128	76
MB 400-705925/25-A	Method Blank	96	96	101	101	85	85	122	92

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274080-3	MW3-ROX-040925-EB	75
400-274080-4	MW3-ROX-040925	74
400-274080-5	MW5-ROX-040925	60
400-274080-6	MW6D-ROX-040925	75
400-274080-6 MS	MW6D-ROX-040925	70
400-274080-6 MSD	MW6D-ROX-040925	73
LCS 400-705925/26-A	Lab Control Sample	92
LCS 400-705925/51-A	Lab Control Sample	89
LCSD 400-705925/52-A	Lab Control Sample Dup	87
MB 400-705925/25-A	Method Blank	104

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5

Surrogate Summary

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BFB1 (51-149)									
400-274080-2	TB-ROX-040925-8011	58									
400-274080-3	MW3-ROX-040925-EB	72									
400-274080-4	MW3-ROX-040925	58									
400-274080-5	MW5-ROX-040925	73									
400-274080-6	MW6D-ROX-040925	80									
400-274080-6 MS	MW6D-ROX-040925	62									
400-274080-6 MSD	MW6D-ROX-040925	58									
LCS 400-705771/2-A	Lab Control Sample	97									
LCSD 400-705771/3-A	Lab Control Sample Dup	91									
MB 400-705771/1-A	Method Blank	118									

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-040925-8260
Lab Sample ID: 400-274080-1
Date Collected: 04/09/25 00:00
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706559	04/22/25 14:43	WPD	EET PEN

Client Sample ID: TB-ROX-040925-8011
Lab Sample ID: 400-274080-2
Date Collected: 04/09/25 00:00
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.7 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 18:28	KR	EET PEN

Client Sample ID: MW3-ROX-040925-EB
Lab Sample ID: 400-274080-3
Date Collected: 04/09/25 08:50
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706559	04/22/25 15:08	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 13:43	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 13:43	KJA	EET PEN
Total/NA	Prep	8011			34 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 18:49	KR	EET PEN

Client Sample ID: MW3-ROX-040925
Lab Sample ID: 400-274080-4
Date Collected: 04/09/25 10:50
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706559	04/22/25 15:32	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 14:13	S1B	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 14:13	KJA	EET PEN
Total/NA	Prep	8011			33.6 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 19:11	KR	EET PEN

Client Sample ID: MW5-ROX-040925
Lab Sample ID: 400-274080-5
Date Collected: 04/09/25 12:05
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706559	04/22/25 15:57	WPD	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 14:44	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW5-ROX-040925
Lab Sample ID: 400-274080-5
Date Collected: 04/09/25 12:05
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.5 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 14:44	KJA	EET PEN
Total/NA	Prep	8011			32.7 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 19:32	KR	EET PEN

Client Sample ID: MW6D-ROX-040925
Lab Sample ID: 400-274080-6
Date Collected: 04/09/25 13:45
Matrix: Water
Date Received: 04/10/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706559	04/22/25 12:41	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 15:14	S1B	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 15:14	KJA	EET PEN
Total/NA	Prep	8011			32.8 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 19:54	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705771/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:31	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705925/25-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	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 11:12	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 11:12	KJA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706559/4
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	706559	04/22/25 09:02	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705771/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:52	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705925/26-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	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 11:42	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 11:42	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705925/51-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	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 12:42	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706559/1002
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	706559	04/22/25 07:02	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705771/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 15:14	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705925/52-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	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 13:12	KJA	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274080-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6D-ROX-040925
Date Collected: 04/09/25 13:45
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-6 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		1	5 mL	5 mL	706559	04/22/25 13:30	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 15:45	S1B	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 15:45	KJA	EET PEN
Total/NA	Prep	8011			33.4 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 20:15	KR	EET PEN

Client Sample ID: MW6D-ROX-040925
Date Collected: 04/09/25 13:45
Date Received: 04/10/25 09:20

Lab Sample ID: 400-274080-6 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		1	5 mL	5 mL	706559	04/22/25 13:55	WPD	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707053	04/25/25 16:15	S1B	EET PEN
Total/NA	Prep	3511			29.7 mL	2 mL	705925	04/16/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	707054	04/25/25 16:15	KJA	EET PEN
Total/NA	Prep	8011			32.9 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 20:37	KR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 706559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-1	TB-ROX-040925-8260	Total/NA	Water	8260D	
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	8260D	
400-274080-4	MW3-ROX-040925	Total/NA	Water	8260D	
400-274080-5	MW5-ROX-040925	Total/NA	Water	8260D	
400-274080-6	MW6D-ROX-040925	Total/NA	Water	8260D	
MB 400-706559/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706559/1002	Lab Control Sample	Total/NA	Water	8260D	
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	8260D	
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 705925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	3511	
400-274080-4	MW3-ROX-040925	Total/NA	Water	3511	
400-274080-5	MW5-ROX-040925	Total/NA	Water	3511	
400-274080-6	MW6D-ROX-040925	Total/NA	Water	3511	
MB 400-705925/25-A	Method Blank	Total/NA	Water	3511	
LCS 400-705925/26-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-705925/51-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-705925/52-A	Lab Control Sample Dup	Total/NA	Water	3511	
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	3511	
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	3511	

Analysis Batch: 707053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	8270E	705925
400-274080-4	MW3-ROX-040925	Total/NA	Water	8270E	705925
400-274080-5	MW5-ROX-040925	Total/NA	Water	8270E	705925
400-274080-6	MW6D-ROX-040925	Total/NA	Water	8270E	705925
MB 400-705925/25-A	Method Blank	Total/NA	Water	8270E	705925
LCS 400-705925/26-A	Lab Control Sample	Total/NA	Water	8270E	705925
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	8270E	705925
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	8270E	705925

Analysis Batch: 707054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	8270E	705925
400-274080-4	MW3-ROX-040925	Total/NA	Water	8270E	705925
400-274080-5	MW5-ROX-040925	Total/NA	Water	8270E	705925
400-274080-6	MW6D-ROX-040925	Total/NA	Water	8270E	705925
MB 400-705925/25-A	Method Blank	Total/NA	Water	8270E	705925
LCS 400-705925/26-A	Lab Control Sample	Total/NA	Water	8270E	705925
LCS 400-705925/51-A	Lab Control Sample	Total/NA	Water	8270E	705925
LCSD 400-705925/52-A	Lab Control Sample Dup	Total/NA	Water	8270E	705925
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	8270E	705925
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	8270E	705925

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274080-1

GC Semi VOA

Analysis Batch: 705732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-2	TB-ROX-040925-8011	Total/NA	Water	8011	705771
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	8011	705771
400-274080-4	MW3-ROX-040925	Total/NA	Water	8011	705771
400-274080-5	MW5-ROX-040925	Total/NA	Water	8011	705771
400-274080-6	MW6D-ROX-040925	Total/NA	Water	8011	705771
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	705771
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	705771
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	705771
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	8011	705771
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	8011	705771

Prep Batch: 705771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274080-2	TB-ROX-040925-8011	Total/NA	Water	8011	
400-274080-3	MW3-ROX-040925-EB	Total/NA	Water	8011	
400-274080-4	MW3-ROX-040925	Total/NA	Water	8011	
400-274080-5	MW5-ROX-040925	Total/NA	Water	8011	
400-274080-6	MW6D-ROX-040925	Total/NA	Water	8011	
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-274080-6 MS	MW6D-ROX-040925	Total/NA	Water	8011	
400-274080-6 MSD	MW6D-ROX-040925	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-706559/4
Matrix: Water
Analysis Batch: 706559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/22/25 09:02	1
Acrolein	ND		20	3.3	ug/L			04/22/25 09:02	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/25 09:02	1
Benzene	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/25 09:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/25 09:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Bromoform	ND		5.0	0.25	ug/L			04/22/25 09:02	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/25 09:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/25 09:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/22/25 09:02	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/22/25 09:02	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/25 09:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/25 09:02	1
Chloroform	ND		1.0	0.90	ug/L			04/22/25 09:02	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/22/25 09:02	1
Chloromethane	ND		1.0	0.40	ug/L			04/22/25 09:02	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/22/25 09:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/25 09:02	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/22/25 09:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/25 09:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/25 09:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/25 09:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/25 09:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/22/25 09:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 09:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/22/25 09:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/25 09:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/25 09:02	1
2-Hexanone	ND		25	4.3	ug/L			04/22/25 09:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/25 09:02	1
Methylene bromide	ND		5.0	0.22	ug/L			04/22/25 09:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/25 09:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/25 09:02	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/22/25 09:02	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/22/25 09:02	1
Naphthalene	ND		5.0	3.0	ug/L			04/22/25 09:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/25 09:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/25 09:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/25 09:02	1
o-Xylene	ND		5.0	3.0	ug/L			04/22/25 09:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/25 09:02	1

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

Lab Sample ID: MB 400-706559/4
Matrix: Water
Analysis Batch: 706559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/25 09:02	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/22/25 09:02	1
Styrene	ND		1.0	1.0	ug/L			04/22/25 09:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/25 09:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/22/25 09:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/22/25 09:02	1
Toluene	ND		1.0	0.90	ug/L			04/22/25 09:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/25 09:02	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/22/25 09:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/22/25 09:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/25 09:02	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/22/25 09:02	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/22/25 09:02	1
Trichloroethene	ND		1.0	0.15	ug/L			04/22/25 09:02	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/22/25 09:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/25 09:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/25 09:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/25 09:02	1
Vinyl acetate	ND		25	0.93	ug/L			04/22/25 09:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/25 09:02	1
Xylenes, Total	ND		10	6.0	ug/L			04/22/25 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/22/25 09:02*	*1*
Dibromofluoromethane	*88*		*79 - 130*		*04/22/25 09:02*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*04/22/25 09:02*	*1*

Lab Sample ID: LCS 400-706559/1002
Matrix: Water
Analysis Batch: 706559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	257		ug/L		128	43 - 150
Acrolein	500	461		ug/L		92	38 - 150
Acrylonitrile	500	560		ug/L		112	64 - 142
Benzene	50.0	52.3		ug/L		105	70 - 130
Bromobenzene	50.0	54.1		ug/L		108	70 - 132
Bromochloromethane	50.0	48.3		ug/L		97	70 - 130
Bromodichloromethane	50.0	47.5		ug/L		95	67 - 133
Bromoform	50.0	46.6		ug/L		93	57 - 140
Bromomethane	50.0	40.4		ug/L		81	10 - 150
2-Butanone (MEK)	200	226		ug/L		113	61 - 145
Carbon disulfide	50.0	52.3		ug/L		105	61 - 137
Carbon tetrachloride	50.0	43.5		ug/L		87	61 - 137
Chlorobenzene	50.0	53.1		ug/L		106	70 - 130
Chloroethane	50.0	47.6		ug/L		95	55 - 141
2-Chloroethyl vinyl ether	50.0	38.4		ug/L		77	10 - 150

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

Lab Sample ID: LCS 400-706559/1002
Matrix: Water
Analysis Batch: 706559

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	47.8		ug/L		96	69 - 130
1-Chlorohexane	50.0	59.2		ug/L		118	69 - 130
Chloromethane	50.0	47.7		ug/L		95	58 - 137
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	50.4		ug/L		101	69 - 132
Dibromochloromethane	50.0	48.8		ug/L		98	67 - 135
1,2-Dichlorobenzene	50.0	57.1		ug/L		114	67 - 130
1,3-Dichlorobenzene	50.0	58.8		ug/L		118	70 - 130
1,4-Dichlorobenzene	50.0	58.2		ug/L		116	70 - 130
Dichlorodifluoromethane	50.0	32.4		ug/L		65	41 - 146
1,1-Dichloroethane	50.0	52.0		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	42.5		ug/L		85	69 - 130
1,1-Dichloroethene	50.0	57.7		ug/L		115	63 - 134
1,2-Dichloropropane	50.0	52.2		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	55.6		ug/L		111	70 - 130
2,2-Dichloropropane	50.0	44.8		ug/L		90	52 - 135
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	55.9		ug/L		112	70 - 130
Ethyl methacrylate	50.0	55.9		ug/L		112	68 - 130
Hexachlorobutadiene	50.0	54.3		ug/L		109	53 - 140
2-Hexanone	200	267		ug/L		133	65 - 137
Isopropylbenzene	50.0	55.6		ug/L		111	70 - 130
Methylene bromide	50.0	49.7		ug/L		99	70 - 130
Methylene Chloride	50.0	55.6		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	219		ug/L		109	69 - 138
Methyl tert-butyl ether	50.0	50.7		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	54.3		ug/L		109	70 - 130
Naphthalene	50.0	46.7		ug/L		93	47 - 149
n-Butylbenzene	50.0	69.5	*+	ug/L		139	67 - 130
N-Propylbenzene	50.0	62.5		ug/L		125	70 - 130
o-Chlorotoluene	50.0	62.7		ug/L		125	70 - 130
o-Xylene	50.0	54.8		ug/L		110	70 - 130
p-Chlorotoluene	50.0	61.9		ug/L		124	70 - 130
p-Isopropyltoluene	50.0	63.4		ug/L		127	65 - 130
sec-Butylbenzene	50.0	64.5		ug/L		129	66 - 130
Styrene	50.0	53.7		ug/L		107	70 - 130
tert-Butylbenzene	50.0	59.9		ug/L		120	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/L		99	67 - 131
1,1,2,2-Tetrachloroethane	50.0	61.9		ug/L		124	70 - 131
Tetrachloroethene	50.0	48.8		ug/L		98	65 - 130
Toluene	50.0	54.4		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	63 - 130
1,2,3-Trichlorobenzene	50.0	46.5		ug/L		93	60 - 138
1,2,4-Trichlorobenzene	50.0	50.3		ug/L		101	60 - 140
1,1,1-Trichloroethane	50.0	45.1		ug/L		90	68 - 130
1,1,2-Trichloroethane	50.0	57.3		ug/L		115	70 - 130
Trichloroethene	50.0	47.8		ug/L		96	70 - 130
Trichlorofluoromethane	50.0	41.4		ug/L		83	65 - 138

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

Lab Sample ID: LCS 400-706559/1002
Matrix: Water
Analysis Batch: 706559

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	59.2		ug/L		118	70 - 130		
1,2,4-Trimethylbenzene			50.0	63.1		ug/L		126	70 - 130		
1,3,5-Trimethylbenzene			50.0	62.8		ug/L		126	69 - 130		
Vinyl acetate			100	97.0		ug/L		97	26 - 150		
Vinyl chloride			50.0	44.0		ug/L		88	59 - 136		
Xylenes, Total			100	109		ug/L		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*56 - 136*
Dibromofluoromethane	*88*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 706559

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F1	200	85.0	F1	ug/L		42	43 - 150
Acrolein	ND		500	377		ug/L		75	38 - 150
Acrylonitrile	ND		500	571		ug/L		114	62 - 149
Benzene	0.76	J	50.0	48.9		ug/L		96	56 - 142
Bromobenzene	ND		50.0	44.2		ug/L		88	59 - 136
Bromochloromethane	ND		50.0	46.6		ug/L		93	64 - 140
Bromodichloromethane	ND		50.0	43.7		ug/L		87	59 - 143
Bromoform	ND		50.0	43.7		ug/L		87	50 - 140
Bromomethane	ND		50.0	34.6		ug/L		69	10 - 150
2-Butanone (MEK)	ND		200	114		ug/L		57	55 - 150
Carbon disulfide	ND		50.0	46.6		ug/L		93	48 - 150
Carbon tetrachloride	ND		50.0	39.8		ug/L		80	55 - 145
Chlorobenzene	ND		50.0	45.1		ug/L		90	64 - 130
Chloroethane	ND		50.0	45.3		ug/L		91	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	3.17	J F1	ug/L		6	10 - 150
Chloroform	ND		50.0	46.3		ug/L		93	60 - 141
1-Chlorohexane	ND		50.0	47.0		ug/L		94	56 - 136
Chloromethane	ND		50.0	44.7		ug/L		89	49 - 148
cis-1,2-Dichloroethene	ND		50.0	46.3		ug/L		93	59 - 143
cis-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	57 - 140
Dibromochloromethane	ND		50.0	44.3		ug/L		89	56 - 143
1,2-Dichlorobenzene	ND		50.0	45.3		ug/L		91	52 - 137
1,3-Dichlorobenzene	ND		50.0	43.9		ug/L		88	54 - 135
1,4-Dichlorobenzene	ND		50.0	42.9		ug/L		86	53 - 135
Dichlorodifluoromethane	ND		50.0	35.4		ug/L		71	16 - 150
1,1-Dichloroethane	ND		50.0	49.5		ug/L		99	61 - 144
1,2-Dichloroethane	ND		50.0	41.4		ug/L		83	60 - 141
1,1-Dichloroethene	ND		50.0	52.7		ug/L		105	54 - 147
1,2-Dichloropropane	ND		50.0	48.4		ug/L		97	66 - 137
1,3-Dichloropropane	ND		50.0	50.8		ug/L		102	66 - 133
2,2-Dichloropropane	ND		50.0	43.3		ug/L		87	42 - 144

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

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 706559

Client Sample ID: MW6D-ROX-040925
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	44.9		ug/L		90	65 - 136
Ethylbenzene	ND		50.0	46.5		ug/L		93	58 - 131
Ethyl methacrylate	ND		50.0	51.4		ug/L		103	64 - 130
Hexachlorobutadiene	ND		50.0	36.2		ug/L		72	31 - 149
2-Hexanone	ND		200	161		ug/L		80	65 - 140
Isopropylbenzene	ND		50.0	43.9		ug/L		88	56 - 133
Methylene bromide	ND		50.0	45.7		ug/L		91	63 - 138
Methylene Chloride	ND		50.0	52.2		ug/L		104	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	199		ug/L		100	63 - 146
Methyl tert-butyl ether	ND		50.0	52.0		ug/L		104	59 - 137
m-Xylene & p-Xylene	ND		50.0	44.6		ug/L		89	57 - 130
Naphthalene	ND		50.0	38.5		ug/L		77	25 - 150
n-Butylbenzene	ND	*+	50.0	48.0		ug/L		96	41 - 142
N-Propylbenzene	ND		50.0	48.6		ug/L		97	51 - 138
o-Chlorotoluene	ND		50.0	47.6		ug/L		95	53 - 134
o-Xylene	ND		50.0	45.4		ug/L		91	61 - 130
p-Chlorotoluene	ND		50.0	46.6		ug/L		93	54 - 133
p-Isopropyltoluene	ND		50.0	44.8		ug/L		90	48 - 139
sec-Butylbenzene	ND		50.0	47.9		ug/L		96	50 - 138
Styrene	ND		50.0	43.9		ug/L		88	58 - 131
tert-Butylbenzene	ND	F2	50.0	46.0		ug/L		92	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	44.4		ug/L		89	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	52.8		ug/L		106	66 - 135
Tetrachloroethene	ND		50.0	45.4		ug/L		91	52 - 133
Toluene	ND		50.0	47.2		ug/L		94	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.9		ug/L		102	61 - 143
trans-1,3-Dichloropropene	ND		50.0	47.3		ug/L		95	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	34.7		ug/L		69	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	36.3		ug/L		73	39 - 148
1,1,1-Trichloroethane	ND		50.0	43.0		ug/L		86	57 - 142
1,1,2-Trichloroethane	ND		50.0	53.3		ug/L		107	66 - 131
Trichloroethene	ND		50.0	45.3		ug/L		91	64 - 136
Trichlorofluoromethane	ND		50.0	39.8		ug/L		80	54 - 150
1,2,3-Trichloropropane	ND		50.0	53.3		ug/L		107	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	45.6		ug/L		91	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	47.5		ug/L		95	52 - 135
Vinyl acetate	ND		100	90.4		ug/L		90	26 - 150
Vinyl chloride	ND		50.0	40.9		ug/L		82	46 - 150
Xylenes, Total	ND		100	89.9		ug/L		90	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 706559

Client Sample ID: MW6D-ROX-040925
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	91.9		ug/L		46	43 - 150	8	30
Acrolein	ND		500	429		ug/L		86	38 - 150	13	31
Acrylonitrile	ND		500	589		ug/L		118	62 - 149	3	30
Benzene	0.76	J	50.0	51.6		ug/L		102	56 - 142	5	30
Bromobenzene	ND		50.0	51.1		ug/L		102	59 - 136	15	30
Bromochloromethane	ND		50.0	47.0		ug/L		94	64 - 140	1	30
Bromodichloromethane	ND		50.0	45.0		ug/L		90	59 - 143	3	30
Bromoform	ND		50.0	44.8		ug/L		90	50 - 140	3	30
Bromomethane	ND		50.0	41.0		ug/L		82	10 - 150	17	50
2-Butanone (MEK)	ND		200	117		ug/L		58	55 - 150	2	30
Carbon disulfide	ND		50.0	48.9		ug/L		98	48 - 150	5	30
Carbon tetrachloride	ND		50.0	41.7		ug/L		83	55 - 145	5	30
Chlorobenzene	ND		50.0	50.7		ug/L		101	64 - 130	12	30
Chloroethane	ND		50.0	43.0		ug/L		86	50 - 150	5	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	47.3		ug/L		95	60 - 141	2	30
1-Chlorohexane	ND		50.0	54.7		ug/L		109	56 - 136	15	30
Chloromethane	ND		50.0	48.4		ug/L		97	49 - 148	8	31
cis-1,2-Dichloroethene	ND		50.0	52.2		ug/L		104	59 - 143	12	30
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140	6	30
Dibromochloromethane	ND		50.0	46.7		ug/L		93	56 - 143	5	30
1,2-Dichlorobenzene	ND		50.0	53.1		ug/L		106	52 - 137	16	30
1,3-Dichlorobenzene	ND		50.0	52.0		ug/L		104	54 - 135	17	30
1,4-Dichlorobenzene	ND		50.0	50.6		ug/L		101	53 - 135	17	30
Dichlorodifluoromethane	ND		50.0	37.8		ug/L		76	16 - 150	7	31
1,1-Dichloroethane	ND		50.0	50.1		ug/L		100	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	42.9		ug/L		86	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	56.0		ug/L		112	54 - 147	6	30
1,2-Dichloropropane	ND		50.0	50.6		ug/L		101	66 - 137	4	30
1,3-Dichloropropane	ND		50.0	52.4		ug/L		105	66 - 133	3	30
2,2-Dichloropropane	ND		50.0	43.2		ug/L		86	42 - 144	0	31
1,1-Dichloropropene	ND		50.0	47.2		ug/L		94	65 - 136	5	30
Ethylbenzene	ND		50.0	52.8		ug/L		106	58 - 131	13	30
Ethyl methacrylate	ND		50.0	51.4		ug/L		103	64 - 130	0	30
Hexachlorobutadiene	ND		50.0	48.1		ug/L		96	31 - 149	28	36
2-Hexanone	ND		200	157		ug/L		78	65 - 140	2	30
Isopropylbenzene	ND		50.0	51.5		ug/L		103	56 - 133	16	30
Methylene bromide	ND		50.0	48.1		ug/L		96	63 - 138	5	30
Methylene Chloride	ND		50.0	53.9		ug/L		108	60 - 146	3	32
4-Methyl-2-pentanone (MIBK)	ND		200	201		ug/L		100	63 - 146	1	30
Methyl tert-butyl ether	ND		50.0	51.3		ug/L		103	59 - 137	1	30
m-Xylene & p-Xylene	ND		50.0	50.6		ug/L		101	57 - 130	13	30
Naphthalene	ND		50.0	45.5		ug/L		91	25 - 150	17	30
n-Butylbenzene	ND	*+	50.0	59.1		ug/L		118	41 - 142	21	31
N-Propylbenzene	ND		50.0	57.8		ug/L		116	51 - 138	17	30
o-Chlorotoluene	ND		50.0	55.8		ug/L		112	53 - 134	16	30
o-Xylene	ND		50.0	51.2		ug/L		102	61 - 130	12	30
p-Chlorotoluene	ND		50.0	54.0		ug/L		108	54 - 133	15	30

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

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 706559

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	56.5		ug/L		113	48 - 139	23	30
sec-Butylbenzene	ND		50.0	58.3		ug/L		117	50 - 138	20	30
Styrene	ND		50.0	50.1		ug/L		100	58 - 131	13	30
tert-Butylbenzene	ND	F2	50.0	63.8	F2	ug/L		128	54 - 146	33	30
1,1,1,2-Tetrachloroethane	ND		50.0	47.2		ug/L		94	59 - 137	6	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.0		ug/L		110	66 - 135	4	30
Tetrachloroethene	ND		50.0	49.7		ug/L		99	52 - 133	9	30
Toluene	ND		50.0	50.7		ug/L		101	65 - 130	7	30
trans-1,2-Dichloroethene	ND		50.0	52.8		ug/L		106	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	48.4		ug/L		97	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	41.5		ug/L		83	43 - 145	18	30
1,2,4-Trichlorobenzene	ND		50.0	42.5		ug/L		85	39 - 148	16	30
1,1,1-Trichloroethane	ND		50.0	43.9		ug/L		88	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	52.9		ug/L		106	66 - 131	1	30
Trichloroethene	ND		50.0	48.6		ug/L		97	64 - 136	7	30
Trichlorofluoromethane	ND		50.0	43.3		ug/L		87	54 - 150	8	30
1,2,3-Trichloropropane	ND		50.0	53.9		ug/L		108	65 - 133	1	30
1,2,4-Trimethylbenzene	ND		50.0	55.1		ug/L		110	50 - 139	19	30
1,3,5-Trimethylbenzene	ND		50.0	56.7		ug/L		113	52 - 135	18	30
Vinyl acetate	ND		100	99.8		ug/L		100	26 - 150	10	33
Vinyl chloride	ND		50.0	45.2		ug/L		90	46 - 150	10	30
Xylenes, Total	ND		100	102		ug/L		102	59 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Lab Sample ID: MB 400-705925/25-A
Matrix: Water
Analysis Batch: 707053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/16/25 07:00	04/25/25 11:12	1
Aniline	ND		10	0.74	ug/L		04/16/25 07:00	04/25/25 11:12	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzenethiol	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 11:12	1
Anthracene	ND		0.20	0.073	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzoic acid	ND		30	27	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzyl alcohol	ND		10	1.9	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/16/25 07:00	04/25/25 11:12	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/16/25 07:00	04/25/25 11:12	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/16/25 07:00	04/25/25 11:12	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/16/25 07:00	04/25/25 11:12	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/16/25 07:00	04/25/25 11:12	1

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

Lab Sample ID: MB 400-705925/25-A
Matrix: Water
Analysis Batch: 707053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/16/25 07:00	04/25/25 11:12	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/16/25 07:00	04/25/25 11:12	1
Chrysene	ND		0.20	0.039	ug/L		04/16/25 07:00	04/25/25 11:12	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Chloroaniline	ND		10	0.28	ug/L		04/16/25 07:00	04/25/25 11:12	1
Fluoranthene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/16/25 07:00	04/25/25 11:12	1
Fluorene	ND		0.20	0.087	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Chlorophenol	ND		10	0.22	ug/L		04/16/25 07:00	04/25/25 11:12	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/16/25 07:00	04/25/25 11:12	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/16/25 07:00	04/25/25 11:12	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/16/25 07:00	04/25/25 11:12	1
Dibenzofuran	ND		10	0.15	ug/L		04/16/25 07:00	04/25/25 11:12	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/16/25 07:00	04/25/25 11:12	1
Phenanthrene	ND		0.20	0.044	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/16/25 07:00	04/25/25 11:12	1
Pyrene	ND		0.20	0.095	ug/L		04/16/25 07:00	04/25/25 11:12	1
Diethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/16/25 07:00	04/25/25 11:12	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/16/25 07:00	04/25/25 11:12	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/16/25 07:00	04/25/25 11:12	1
1,4-Dioxane	ND		10	0.070	ug/L		04/16/25 07:00	04/25/25 11:12	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/16/25 07:00	04/25/25 11:12	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/16/25 07:00	04/25/25 11:12	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/16/25 07:00	04/25/25 11:12	1
Hexachloroethane	ND		10	0.53	ug/L		04/16/25 07:00	04/25/25 11:12	1
Indene	ND		10	0.44	ug/L		04/16/25 07:00	04/25/25 11:12	1
Isophorone	ND		10	0.80	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Methylphenol	ND		10	0.30	ug/L		04/16/25 07:00	04/25/25 11:12	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Nitroaniline	ND		10	1.4	ug/L		04/16/25 07:00	04/25/25 11:12	1
3-Nitroaniline	ND		10	0.95	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Nitroaniline	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 11:12	1
Nitrobenzene	ND		10	0.60	ug/L		04/16/25 07:00	04/25/25 11:12	1
2-Nitrophenol	ND		10	1.2	ug/L		04/16/25 07:00	04/25/25 11:12	1
4-Nitrophenol	ND		10	2.7	ug/L		04/16/25 07:00	04/25/25 11:12	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/16/25 07:00	04/25/25 11:12	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/16/25 07:00	04/25/25 11:12	1

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

Lab Sample ID: MB 400-705925/25-A
Matrix: Water
Analysis Batch: 707054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/16/25 07:00	04/25/25 11:12	1
Pentachlorophenol	ND		10	0.41	ug/L		04/16/25 07:00	04/25/25 11:12	1
Phenol	ND		10	0.27	ug/L		04/16/25 07:00	04/25/25 11:12	1
Pyridine	ND		10	0.64	ug/L		04/16/25 07:00	04/25/25 11:12	1
Quinoline	ND		10	0.50	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/16/25 07:00	04/25/25 11:12	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/16/25 07:00	04/25/25 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*15 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
Terphenyl-d14	*85*		*43 - 147*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
2-Fluorobiphenyl	*96*		*15 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
2-Fluorophenol	*122*		*10 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
Phenol-d5	*92*		*10 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
Terphenyl-d14	*85*		*43 - 147*	*04/16/25 07:00*	*04/25/25 11:12*	*1*
2,4,6-Tribromophenol	*104*		*10 - 150*	*04/16/25 07:00*	*04/25/25 11:12*	*1*

Lab Sample ID: LCS 400-705925/26-A
Matrix: Water
Analysis Batch: 707053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	17.5		ug/L		70	44 - 122
Aniline	25.0	13.6		ug/L		55	10 - 150
Acenaphthylene	25.0	18.3		ug/L		73	42 - 125
Anthracene	25.0	18.2		ug/L		73	51 - 136
Benzoic acid	214	274	E	ug/L		128	10 - 180
Benzo[a]anthracene	25.0	20.0		ug/L		80	50 - 138
Benzyl alcohol	25.0	ND	*-	ug/L		1	10 - 150
Benzo[a]pyrene	25.0	18.4		ug/L		74	53 - 134
Bis(2-chloroethoxy)methane	25.0	20.4		ug/L		82	60 - 123
Benzo[b]fluoranthene	25.0	19.7		ug/L		79	50 - 134
Bis(2-chloroethyl)ether	25.0	18.9		ug/L		75	45 - 127
Benzo[g,h,i]perylene	25.0	18.1		ug/L		72	42 - 138
bis (2-chloroisopropyl) ether	25.0	19.1		ug/L		76	10 - 150
Benzo[k]fluoranthene	25.0	18.4		ug/L		74	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	17.2		ug/L		69	10 - 147
4-Bromophenyl phenyl ether	25.0	20.3		ug/L		81	50 - 126
Chrysene	25.0	19.2		ug/L		77	53 - 141
Butyl benzyl phthalate	25.0	21.2		ug/L		85	36 - 137
Dibenz(a,h)anthracene	25.0	18.0		ug/L		72	41 - 139
4-Chloroaniline	25.0	12.2		ug/L		49	10 - 150
Fluoranthene	25.0	18.1		ug/L		73	49 - 141
4-Chloro-3-methylphenol	25.0	17.1		ug/L		68	14 - 150
Fluorene	25.0	21.0		ug/L		84	41 - 136
2-Chloronaphthalene	25.0	53.0	*+	ug/L		212	44 - 122

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

Lab Sample ID: LCS 400-705925/26-A
Matrix: Water
Analysis Batch: 707054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	21.4		ug/L		85	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	17.8		ug/L		71	30 - 150
1-Methylnaphthalene	25.0	17.4		ug/L		70	36 - 117
4-Chlorophenyl phenyl ether	25.0	18.0		ug/L		72	51 - 125
2-Methylnaphthalene	25.0	17.9		ug/L		72	31 - 115
Dibenz[a,h]acridine	49.9	40.2		ug/L		81	50 - 150
Dibenzofuran	25.0	19.3		ug/L		77	55 - 125
3,3'-Dichlorobenzidine	33.3	25.4		ug/L		76	10 - 150
Phenanthrene	25.0	17.4		ug/L		70	50 - 133
2,4-Dichlorophenol	25.0	18.4		ug/L		73	11 - 150
Pyrene	25.0	18.2		ug/L		73	46 - 149
Diethyl phthalate	25.0	21.5		ug/L		86	61 - 130
2,4-Dimethylphenol	25.0	5.49	J	ug/L		22	5 - 150
Dimethyl phthalate	25.0	21.6		ug/L		86	55 - 139
Di-n-butyl phthalate	25.0	22.5		ug/L		90	50 - 150
4,6-Dinitro-ortho-cresol	50.0	47.3		ug/L		95	10 - 150
2,4-Dinitrophenol	50.0	41.1		ug/L		82	10 - 150
2,4-Dinitrotoluene	25.0	20.8		ug/L		83	46 - 137
2,6-Dinitrotoluene	25.0	20.3		ug/L		81	35 - 150
Di-n-octyl phthalate	25.0	20.0		ug/L		80	10 - 150
1,4-Dioxane	25.0	15.6		ug/L		62	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	19.9	I	ug/L		80	49 - 125
Hexachlorobenzene	25.0	17.8		ug/L		71	53 - 126
Hexachlorocyclopentadiene	25.0	20.6		ug/L		82	10 - 150
Hexachloroethane	25.0	16.5		ug/L		66	10 - 112
Indene	50.0	34.9		ug/L		70	50 - 150
Isophorone	25.0	20.0		ug/L		80	51 - 125
2-Methylphenol	25.0	15.8		ug/L		63	42 - 120
3 & 4 Methylphenol	25.0	28.0		ug/L		112	10 - 150
2-Nitroaniline	25.0	21.0		ug/L		84	10 - 150
3-Nitroaniline	25.0	21.8		ug/L		87	10 - 150
4-Nitroaniline	25.0	29.0		ug/L		116	10 - 144
Nitrobenzene	25.0	20.1		ug/L		81	57 - 138
2-Nitrophenol	25.0	21.4		ug/L		86	21 - 150
4-Nitrophenol	50.0	51.7		ug/L		103	10 - 150
N-Nitrosodimethylamine	25.0	17.3		ug/L		69	10 - 136
N-Nitrosodi-n-propylamine	25.0	21.9		ug/L		88	53 - 134
N-Nitrosodiphenylamine	24.8	19.9		ug/L		80	62 - 132
Pentachlorophenol	50.0	46.8		ug/L		94	16 - 150
Phenol	25.0	25.7		ug/L		103	10 - 150
Pyridine	50.0	14.4		ug/L		29	10 - 150
Quinoline	49.9	37.0		ug/L		74	50 - 150
2,4,5-Trichlorophenol	25.0	21.3		ug/L		85	10 - 150
2,4,6-Trichlorophenol	25.0	21.7		ug/L		87	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 150*

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

Lab Sample ID: LCS 400-705925/26-A
Matrix: Water
Analysis Batch: 707053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705925

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*96*		*50 - 150*
Terphenyl-d14	*77*		*43 - 147*
2-Fluorobiphenyl	*89*		*15 - 150*
2-Fluorophenol	*114*		*10 - 150*
Nitrobenzene-d5	*96*		*50 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*77*		*43 - 147*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCS 400-705925/51-A
Matrix: Water
Analysis Batch: 707054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	16.6		ug/L		33	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*15 - 150*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*103*		*50 - 150*
Phenol-d5	*105*		*10 - 150*
Terphenyl-d14	*82*		*43 - 147*
2,4,6-Tribromophenol	*89*		*10 - 150*

Lab Sample ID: LCSD 400-705925/52-A
Matrix: Water
Analysis Batch: 707054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol	50.0	20.8		ug/L		42	10 - 150	22	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*15 - 150*
2-Fluorophenol	*128*		*10 - 150*
Nitrobenzene-d5	*108*		*50 - 150*
Phenol-d5	*76*		*10 - 150*
Terphenyl-d14	*91*		*43 - 147*
2,4,6-Tribromophenol	*87*		*10 - 150*

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 707053

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		25.3	15.8		ug/L		63	50 - 150
Aniline	ND	F1	25.3	6.28	J F1	ug/L		25	50 - 150
Acenaphthylene	ND		25.3	16.5		ug/L		65	50 - 150
Anthracene	ND		25.3	16.9		ug/L		67	50 - 150

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

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 707054

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzoic acid	ND	F1	216	318	E	ug/L		147	50 - 150
Benzo[a]anthracene	0.083	J	25.3	17.0		ug/L		67	50 - 150
Benzyl alcohol	ND	F1 *-	25.3	ND	F1	ug/L		0	50 - 150
Benzo[a]pyrene	0.11	J	25.3	15.3		ug/L		60	50 - 150
Bis(2-chloroethoxy)methane	ND		25.3	18.4		ug/L		73	50 - 150
Benzo[b]fluoranthene	0.19	J	25.3	17.0		ug/L		66	50 - 150
Bis(2-chloroethyl)ether	ND		25.3	16.6		ug/L		66	50 - 150
Benzo[g,h,i]perylene	0.14	J	25.3	14.2		ug/L		56	50 - 150
bis (2-chloroisopropyl) ether	ND		25.3	17.5		ug/L		69	50 - 150
Benzo[k]fluoranthene	ND		25.3	15.1		ug/L		60	50 - 150
Bis(2-ethylhexyl) phthalate	ND	F1	25.3	10.9	F1	ug/L		43	50 - 150
4-Bromophenyl phenyl ether	ND		25.3	18.3		ug/L		73	50 - 150
Chrysene	0.22		25.3	15.9		ug/L		62	50 - 150
Butyl benzyl phthalate	ND		25.3	19.5		ug/L		77	50 - 150
Dibenz(a,h)anthracene	ND		25.3	13.6		ug/L		54	50 - 150
4-Chloroaniline	ND	F1	25.3	11.4	F1	ug/L		45	50 - 150
Fluoranthene	0.18	J	25.3	16.4		ug/L		64	50 - 150
4-Chloro-3-methylphenol	ND		25.3	14.5		ug/L		57	50 - 150
Fluorene	ND		25.3	18.9		ug/L		75	50 - 150
2-Chloronaphthalene	ND	F1 *+	25.3	47.7	F1	ug/L		189	50 - 150
2-Chlorophenol	ND		25.3	17.1		ug/L		68	50 - 150
Indeno[1,2,3-cd]pyrene	0.081	J	25.3	14.0		ug/L		55	50 - 150
1-Methylnaphthalene	ND		25.3	16.0		ug/L		63	50 - 150
4-Chlorophenyl phenyl ether	ND		25.3	15.4		ug/L		61	50 - 150
2-Methylnaphthalene	ND		25.3	16.8		ug/L		66	50 - 150
Dibenz[a,h]acridine	ND		50.4	35.0		ug/L		70	50 - 150
Dibenzofuran	ND		25.3	16.8		ug/L		67	50 - 150
3,3'-Dichlorobenzidine	ND		33.7	21.7		ug/L		64	50 - 150
Phenanthrene	0.20		25.3	16.4		ug/L		64	50 - 150
2,4-Dichlorophenol	ND		25.3	16.0		ug/L		63	50 - 150
Pyrene	0.24		25.3	16.0		ug/L		62	50 - 150
Diethyl phthalate	ND		25.3	19.3		ug/L		77	50 - 150
2,4-Dimethylphenol	ND	F2 F1	25.3	0.497	J F1	ug/L		2	50 - 150
Dimethyl phthalate	ND		25.3	20.0		ug/L		79	50 - 150
Di-n-butyl phthalate	ND		25.3	21.3		ug/L		84	50 - 150
4,6-Dinitro-ortho-cresol	ND		50.5	45.1		ug/L		89	50 - 150
2,4-Dinitrophenol	ND		50.5	42.3		ug/L		84	50 - 150
2,4-Dinitrotoluene	ND		25.3	17.9		ug/L		71	50 - 150
2,6-Dinitrotoluene	ND		25.3	17.8		ug/L		71	50 - 150
Di-n-octyl phthalate	ND	F1	25.3	12.8		ug/L		51	50 - 150
1,4-Dioxane	0.17	J	25.3	15.6		ug/L		61	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		25.3	17.5	I	ug/L		69	50 - 150
Hexachlorobenzene	ND		25.3	16.9		ug/L		67	50 - 150
Hexachlorocyclopentadiene	ND		25.3	18.7	J	ug/L		74	50 - 150
Hexachloroethane	ND		25.3	15.0		ug/L		59	50 - 150
Indene	ND		50.5	31.2		ug/L		62	50 - 150
Isophorone	ND		25.3	17.9		ug/L		71	50 - 150
2-Methylphenol	ND		25.3	12.9		ug/L		51	50 - 150

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

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 707054

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3 & 4 Methylphenol	ND		25.3	24.3		ug/L		96	50 - 150
2-Nitroaniline	ND		25.3	18.1		ug/L		72	50 - 150
3-Nitroaniline	ND		25.3	20.6		ug/L		82	50 - 150
4-Nitroaniline	ND		25.3	25.3		ug/L		100	50 - 150
Nitrobenzene	ND		25.3	17.6		ug/L		70	50 - 150
2-Nitrophenol	ND		25.3	18.0		ug/L		71	50 - 150
4-Nitrophenol	ND		50.5	47.5		ug/L		94	50 - 150
N-Nitrosodimethylamine	ND		25.3	16.9		ug/L		67	50 - 150
N-Nitrosodi-n-propylamine	ND		25.3	18.8		ug/L		75	50 - 150
N-Nitrosodiphenylamine	ND		25.1	17.2		ug/L		69	50 - 150
Pentachlorophenol	ND		50.5	39.5		ug/L		78	50 - 150
Phenol	ND		25.3	23.3		ug/L		92	50 - 150
Pyridine	ND	F1 F2	50.5	14.9	F1	ug/L		29	50 - 150
Quinoline	ND		50.4	31.8		ug/L		63	50 - 150
2,4,5-Trichlorophenol	ND		25.3	17.6		ug/L		70	50 - 150
2,4,6-Trichlorophenol	ND		25.3	16.8		ug/L		67	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*64*		*43 - 147*
2-Fluorobiphenyl	*80*		*15 - 150*
2-Fluorophenol	*93*		*10 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Phenol-d5	*102*		*10 - 150*
Terphenyl-d14	*64*		*43 - 147*
2,4,6-Tribromophenol	*70*		*10 - 150*

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 707053

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		25.3	16.5		ug/L		65	50 - 150	4	40
Aniline	ND	F1	25.3	5.48	J F1	ug/L		22	50 - 150	14	40
Acenaphthylene	ND		25.3	17.1		ug/L		68	50 - 150	3	40
Anthracene	ND		25.3	17.0		ug/L		67	50 - 150	1	40
Benzoic acid	ND	F1	216	347	E F1	ug/L		160	50 - 150	9	40
Benzo[a]anthracene	0.083	J	25.3	17.6		ug/L		69	50 - 150	4	40
Benzyl alcohol	ND	F1 *-	25.3	ND	F1	ug/L		0	50 - 150	NC	40
Benzo[a]pyrene	0.11	J	25.3	15.5		ug/L		61	50 - 150	1	40
Bis(2-chloroethoxy)methane	ND		25.3	19.0		ug/L		75	50 - 150	3	40
Benzo[b]fluoranthene	0.19	J	25.3	17.2		ug/L		67	50 - 150	1	40
Bis(2-chloroethyl)ether	ND		25.3	17.0		ug/L		67	50 - 150	2	40
Benzo[g,h,i]perylene	0.14	J	25.3	13.8		ug/L		54	50 - 150	3	40
bis (2-chloroisopropyl) ether	ND		25.3	17.6		ug/L		70	50 - 150	1	40
Benzo[k]fluoranthene	ND		25.3	15.6		ug/L		62	50 - 150	3	40
Bis(2-ethylhexyl) phthalate	ND	F1	25.3	9.85	J F1	ug/L		39	50 - 150	10	40

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

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 707054

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether	ND		25.3	18.2		ug/L		72	50 - 150	1	40
Chrysene	0.22		25.3	16.7		ug/L		65	50 - 150	5	40
Butyl benzyl phthalate	ND		25.3	18.7		ug/L		74	50 - 150	5	40
Dibenz(a,h)anthracene	ND		25.3	12.6		ug/L		50	50 - 150	7	40
4-Chloroaniline	ND	F1	25.3	12.5		ug/L		50	50 - 150	9	40
Fluoranthene	0.18	J	25.3	16.5		ug/L		65	50 - 150	0	40
4-Chloro-3-methylphenol	ND		25.3	16.6		ug/L		66	50 - 150	14	40
Fluorene	ND		25.3	19.6		ug/L		78	50 - 150	4	40
2-Chloronaphthalene	ND	F1 *+	25.3	47.8	F1	ug/L		189	50 - 150	0	40
2-Chlorophenol	ND		25.3	17.5		ug/L		69	50 - 150	2	40
Indeno[1,2,3-cd]pyrene	0.081	J	25.3	13.5		ug/L		53	50 - 150	3	40
1-Methylnaphthalene	ND		25.3	16.6		ug/L		66	50 - 150	3	40
4-Chlorophenyl phenyl ether	ND		25.3	16.1		ug/L		64	50 - 150	4	40
2-Methylnaphthalene	ND		25.3	17.5		ug/L		69	50 - 150	4	40
Dibenz[a,h]acridine	ND		50.4	34.6		ug/L		69	50 - 150	1	40
Dibenzofuran	ND		25.3	17.4		ug/L		69	50 - 150	3	40
3,3'-Dichlorobenzidine	ND		33.7	23.2		ug/L		69	50 - 150	7	40
Phenanthrene	0.20		25.3	16.5		ug/L		64	50 - 150	0	40
2,4-Dichlorophenol	ND		25.3	15.9		ug/L		63	50 - 150	1	40
Pyrene	0.24		25.3	16.2		ug/L		63	50 - 150	1	40
Diethyl phthalate	ND		25.3	19.2		ug/L		76	50 - 150	1	40
2,4-Dimethylphenol	ND	F2 F1	25.3	15.6	F2	ug/L		62	50 - 150	188	40
Dimethyl phthalate	ND		25.3	18.9		ug/L		75	50 - 150	6	40
Di-n-butyl phthalate	ND		25.3	20.1		ug/L		80	50 - 150	6	40
4,6-Dinitro-ortho-cresol	ND		50.5	43.8		ug/L		87	50 - 150	3	40
2,4-Dinitrophenol	ND		50.5	43.1		ug/L		85	50 - 150	2	40
2,4-Dinitrotoluene	ND		25.3	18.5		ug/L		73	50 - 150	3	40
2,6-Dinitrotoluene	ND		25.3	18.6		ug/L		74	50 - 150	4	40
Di-n-octyl phthalate	ND	F1	25.3	11.2	F1	ug/L		44	50 - 150	13	40
1,4-Dioxane	0.17	J	25.3	16.4		ug/L		64	50 - 150	5	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		25.3	18.3	I	ug/L		73	50 - 150	4	40
Hexachlorobenzene	ND		25.3	16.6		ug/L		66	50 - 150	2	40
Hexachlorocyclopentadiene	ND		25.3	18.6	J	ug/L		74	50 - 150	1	40
Hexachloroethane	ND		25.3	15.3		ug/L		61	50 - 150	2	40
Indene	ND		50.5	28.3		ug/L		56	50 - 150	10	40
Isophorone	ND		25.3	18.3		ug/L		72	50 - 150	2	40
2-Methylphenol	ND		25.3	13.9		ug/L		55	50 - 150	7	40
3 & 4 Methylphenol	ND		25.3	24.8		ug/L		98	50 - 150	2	40
2-Nitroaniline	ND		25.3	18.9		ug/L		75	50 - 150	4	40
3-Nitroaniline	ND		25.3	21.7		ug/L		86	50 - 150	5	40
4-Nitroaniline	ND		25.3	26.6		ug/L		105	50 - 150	5	40
Nitrobenzene	ND		25.3	18.0		ug/L		71	50 - 150	2	40
2-Nitrophenol	ND		25.3	18.3		ug/L		72	50 - 150	1	40
4-Nitrophenol	ND		50.5	40.6		ug/L		80	50 - 150	16	40
N-Nitrosodimethylamine	ND		25.3	18.2		ug/L		72	50 - 150	8	40
N-Nitrosodi-n-propylamine	ND		25.3	20.4		ug/L		81	50 - 150	8	40
N-Nitrosodiphenylamine	ND		25.1	18.1		ug/L		72	50 - 150	5	40
Pentachlorophenol	ND		50.5	39.5		ug/L		78	50 - 150	0	40

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

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 707054

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	ND		25.3	26.7		ug/L		106	50 - 150	13	40
Pyridine	ND	F1 F2	50.5	8.76	J F1 F2	ug/L		17	50 - 150	52	40
Quinoline	ND		50.4	30.7		ug/L		61	50 - 150	3	40
2,4,5-Trichlorophenol	ND		25.3	18.9		ug/L		75	50 - 150	8	40
2,4,6-Trichlorophenol	ND		25.3	17.3		ug/L		68	50 - 150	3	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*15 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Terphenyl-d14	*65*		*43 - 147*
2-Fluorobiphenyl	*77*		*15 - 150*
2-Fluorophenol	*91*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Phenol-d5	*111*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*73*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-705771/1-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/15/25 10:38	04/15/25 14:31	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/15/25 10:38	04/15/25 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*51 - 149*	*04/15/25 10:38*	*04/15/25 14:31*	*1*

Lab Sample ID: LCS 400-705771/2-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.108		ug/L		107	60 - 140		
1,2-Dibromoethane			0.100	0.109		ug/L		109	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Lab Sample ID: LCSD 400-705771/3-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.102		ug/L		101	60 - 140	6	30
1,2-Dibromoethane			0.100	0.110		ug/L		110	60 - 140	1	30

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

Lab Sample ID: LCSD 400-705771/3-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705771

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*91*		*51 - 149*

Lab Sample ID: 400-274080-6 MS
Matrix: Water
Analysis Batch: 705732

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane	ND		0.105	0.103		ug/L		97	10 - 150		
1,2-Dibromoethane	ND		0.105	0.0931		ug/L		89	39 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*62*		*51 - 149*

Lab Sample ID: 400-274080-6 MSD
Matrix: Water
Analysis Batch: 705732

Client Sample ID: MW6D-ROX-040925
Prep Type: Total/NA
Prep Batch: 705771

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		0.107	0.0975		ug/L		91	10 - 150	5	20
1,2-Dibromoethane	ND		0.107	0.0905		ug/L		85	39 - 150	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*58*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER __ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/9/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __1__
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, J.MAYER

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☐ LEVEL 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 – 3.2.2

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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-040925-8260	4/9/2025	0000	Water	2					2	X			
	TB-ROX-040925-8011	4/9/2025	0000	Water	2					2		X		
	MW3-ROX-040925-EB	4/9/2025	0850	Water	6			4		10	X	X	X	X
	MW3-ROX-040925	4/9/2025	1050	Water	6			4		10	X	X	X	X
	MW5-ROX-040925	4/9/2025	1205	Water	6			4		10	X	X	X	X
	MW6D-ROX-040925	4/9/2025	1345	Water	6			4		10	X	X	X	X
	MW6D-ROX-040925-MS	4/9/2025	1345	Water	6			4		10	X	X	X	X
	MW6D-ROX-040925-MSD	4/9/2025	1345	Water	6			4		10	X	X	X	X

400-274080 Chain of Custody

040925

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496016248/423496016237	4/9/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-10-25	Time: 0920
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEALS: 2779081, 2779080, 2779083, 2779082

Version: 19Sept24

~~R.C~~ UC IR8
3.1C

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274080-1

Login Number: 274080
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	3.1°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274080-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274130-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/8/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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 (%)
MW6C-ROX-041025	SVOCs	2-Fluorophenol	**165**	10-150
MB 400-706177/1-A	SVOCs	2-Fluorophenol	**157**	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. Method blanks are quality control samples and do not require qualification.

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		

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-706177/2-A	SVOCs	Quinoline	**48**	NC	50 - 150

Analytical data that required qualification based on LCS/LCSD data are referenced below.
Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-041025	SVOCs	Quinoline	UJ
MW6B-ROX-041025	SVOCs	Quinoline	UJ
MW6B-ROX-041025-DUP	SVOCs	Quinoline	UJ
MW6A-ROX-041025	SVOCs	Quinoline	UJ

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 400-706177/1-A	PAHs	Fluoranthene	0.0335 µg/L

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

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW6C-ROX-041025	PAHs	Fluoranthene	-	**U**
MW6A-ROX-041025	PAHs	Fluoranthene	-	**U**

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 June 17, 2025, to correct QC linking issues.
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 continuing calibration verification (CCV) for 1,2,3-trichlorobenzene was outside evaluation criteria, biased low. Trip blanks are quality control samples that do not require qualification.					

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (VOCs) The continuous calibration verifications (CCVs) for benzyl alcohol and dibenz[a,h]acridine were outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-041025	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW6B-ROX-041025	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW6B-ROX-041025-DUP	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW6A-ROX-041025	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW6C-ROX-041025	SVOCs	Benzyl alcohol	**UJ**
MW6B-ROX-041025	SVOCs	Benzyl alcohol	**UJ**
MW6B-ROX-041025-DUP	SVOCs	Benzyl alcohol	**UJ**
MW6A-ROX-041025	SVOCs	Benzyl alcohol	**UJ**
MW6C-ROX-041025	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6B-ROX-041025	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6B-ROX-041025-DUP	SVOCs	Dibenz[a,h]acridine	**UJ**
MW6A-ROX-041025	SVOCs	Dibenz[a,h]acridine	**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			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**	
	recalculated and appropriate instrument response data was reviewed.				
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 5/2/2025 6:40:16 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274130-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

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
5/2/2025 6:40:16 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-274130-1

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 4/11/2025 9:30 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 0.0°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-041025-8260 (400-274130-1), MW6C-ROX-041025 (400-274130-3), MW6B-ROX-041025 (400-274130-4), MW6B-ROX-041025-DUP (400-274130-5) and MW6A-ROX-041025 (400-274130-6). 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 continuing calibration verification (CCV) associated with batch 400-706736 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene. 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.

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 method blank for preparation batch 400-706177 and analytical batch 400-707373 contained Fluoranthene 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 initial calibration verification (ICV) analyzed in batch 400-702879 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 analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-706177 and analytical batch 400-707374: Quinoline. 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 400-707374 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Dibenzofuran, Di-n-octyl phthalate and Hexachlorocyclopentadiene. 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 400-707374 recovered outside acceptance criteria, low biased, for Benzyl alcohol and Dibenz[a,h]acridine. 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: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW6C-ROX-041025 (400-274130-3) and (MB 400-706177/1-A). These results have been reported and qualified.

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

GC Semi VOA
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: 400-274130-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274130-1	TB-ROX-041025-8260	Water	04/10/25 00:00	04/11/25 09:30
400-274130-2	TB-ROX-041025-8011	Water	04/10/25 00:00	04/11/25 09:30
400-274130-3	MW6C-ROX-041025	Water	04/10/25 10:15	04/11/25 09:30
400-274130-4	MW6B-ROX-041025	Water	04/10/25 11:30	04/11/25 09:30
400-274130-5	MW6B-ROX-041025-DUP	Water	04/10/25 11:30	04/11/25 09:30
400-274130-6	MW6A-ROX-041025	Water	04/10/25 13:30	04/11/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: TB-ROX-041025-8260 — Lab Sample ID: 400-274130-1

No Detections.

Client Sample ID: TB-ROX-041025-8011 — Lab Sample ID: 400-274130-2

No Detections.

Client Sample ID: MW6C-ROX-041025 — Lab Sample ID: 400-274130-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.078	J	0.20	0.040	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.070	J	0.20	0.045	ug/L	1		8270E	Total/NA
Benzo[b]fluoranthene	0.082	J	0.20	0.042	ug/L	1		8270E	Total/NA
Benzo[g,h,i]perylene	0.079	J	0.20	0.052	ug/L	1		8270E	Total/NA
Chrysene	0.19	J	0.20	0.039	ug/L	1		8270E	Total/NA
4-Chloroaniline	0.42	J	10	0.28	ug/L	1		8270E	Total/NA
Fluoranthene	~~0.099~~	~~J B~~ U	0.20	0.032	ug/L	1		8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.038	J	0.20	0.032	ug/L	1		8270E	Total/NA
Phenanthrene	0.20		0.20	0.044	ug/L	1		8270E	Total/NA
Pyrene	0.24		0.20	0.095	ug/L	1		8270E	Total/NA

Client Sample ID: MW6B-ROX-041025 — Lab Sample ID: 400-274130-4

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: MW6B-ROX-041025-DUP — Lab Sample ID: 400-274130-5

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

Client Sample ID: MW6A-ROX-041025 — Lab Sample ID: 400-274130-6

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
Fluoranthene	~~0.060~~	~~J B~~ U	0.20	0.032	ug/L	1		8270E	Total/NA
Pyrene	0.11	J	0.20	0.095	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: TB-ROX-041025-8260
Date Collected: 04/10/25 00:00
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-1
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			04/23/25 15:06	1
Acrolein	ND		20	3.3	ug/L			04/23/25 15:06	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 15:06	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 15:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 15:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 15:06	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 15:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 15:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 15:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 15:06	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 15:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 15:06	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 15:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 15:06	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 15:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 15:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 15:06	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 15:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 15:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 15:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 15:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 15:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 15:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 15:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 15:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 15:06	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 15:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 15:06	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 15:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 15:06	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/23/25 15:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:06	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 15:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 15:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 15:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 15:06	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 15:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 15:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: TB-ROX-041025-8260
Date Collected: 04/10/25 00:00
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-1
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			04/23/25 15:06	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 15:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 15:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 15:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 15:06	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 15:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 15:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/23/25 15:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 15:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 15:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 15:06	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 15:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 15:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 15:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 15:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 15:06	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 15:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 15:06	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*56 - 136*		*04/23/25 15:06*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/23/25 15:06*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/23/25 15:06*	*1*

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041025-8011
Lab Sample ID: 400-274130-2
Date Collected: 04/10/25 00:00
Matrix: Water
Date Received: 04/11/25 09:30

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/15/25 10:38	04/15/25 20:58	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*51 - 149*	*04/15/25 10:38*	*04/15/25 20:58*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: MW6C-ROX-041025
Date Collected: 04/10/25 10:15
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-3
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			04/23/25 15:30	1
Acrolein	ND		20	3.3	ug/L			04/23/25 15:30	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 15:30	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 15:30	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 15:30	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 15:30	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 15:30	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 15:30	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 15:30	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 15:30	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 15:30	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 15:30	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 15:30	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 15:30	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 15:30	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 15:30	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 15:30	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 15:30	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 15:30	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:30	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 15:30	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 15:30	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 15:30	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 15:30	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 15:30	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 15:30	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 15:30	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/23/25 15:30	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:30	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 15:30	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 15:30	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 15:30	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:30	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 15:30	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 15:30	1

Client Sample ID: MW6C-ROX-041025
Date Collected: 04/10/25 10:15
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-3
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			04/23/25 15:30	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 15:30	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 15:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 15:30	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:30	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 15:30	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/23/25 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 15:30	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 15:30	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 15:30	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 15:30	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 15:30	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 15:30	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 15:30	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 15:30	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/23/25 15:30*	*1*
Dibromofluoromethane	*89*		*79 - 130*		*04/23/25 15:30*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/23/25 15:30*	*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		04/17/25 07:00	04/29/25 21:06	1
Aniline	ND		10	0.74	ug/L		04/17/25 07:00	04/29/25 21:06	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzenethiol	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 21:06	1
Anthracene	ND		0.20	0.073	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzoic acid	ND		30	27	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzo[a]anthracene	**0.078**	**J**	0.20	0.040	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzo[a]pyrene	**0.070**	**J**	0.20	0.045	ug/L		04/17/25 07:00	04/29/25 21:06	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzo[b]fluoranthene	**0.082**	**J**	0.20	0.042	ug/L		04/17/25 07:00	04/29/25 21:06	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzo[g,h,i]perylene	**0.079**	**J**	0.20	0.052	ug/L		04/17/25 07:00	04/29/25 21:06	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 21:06	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 21:06	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/17/25 07:00	04/29/25 21:06	1
Chrysene	**0.19**	**J**	0.20	0.039	ug/L		04/17/25 07:00	04/29/25 21:06	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Chloroaniline	**0.42**	**J**	10	0.28	ug/L		04/17/25 07:00	04/29/25 21:06	1

Client Sample ID: MW6C-ROX-041025
Date Collected: 04/10/25 10:15
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	~~0.099~~	~~J B~~ U	0.20	0.032	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 21:06	1
Fluorene	ND		0.20	0.087	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Chlorophenol	ND		10	0.84	ug/L		04/17/25 07:00	04/29/25 21:06	1
Indeno[1,2,3-cd]pyrene	0.038	J	0.20	0.032	ug/L		04/17/25 07:00	04/29/25 21:06	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/17/25 07:00	04/29/25 21:06	1
Dibenz[a,h]acridine	ND	UJ	10	0.69	ug/L		04/17/25 07:00	04/29/25 21:06	1
Dibenzofuran	ND		10	0.64	ug/L		04/17/25 07:00	04/29/25 21:06	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/17/25 07:00	04/29/25 21:06	1
Phenanthrene	0.20		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/17/25 07:00	04/29/25 21:06	1
Pyrene	0.24		0.20	0.095	ug/L		04/17/25 07:00	04/29/25 21:06	1
Diethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 21:06	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/17/25 07:00	04/29/25 21:06	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
1,4-Dioxane	ND		10	4.3	ug/L		04/17/25 07:00	04/29/25 21:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 21:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/17/25 07:00	04/29/25 21:06	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/17/25 07:00	04/29/25 21:06	1
Hexachloroethane	ND		10	0.53	ug/L		04/17/25 07:00	04/29/25 21:06	1
Indene	ND		10	0.44	ug/L		04/17/25 07:00	04/29/25 21:06	1
Isophorone	ND		10	0.80	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Methylphenol	ND		10	0.76	ug/L		04/17/25 07:00	04/29/25 21:06	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Nitroaniline	ND		10	1.4	ug/L		04/17/25 07:00	04/29/25 21:06	1
3-Nitroaniline	ND		10	0.95	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Nitroaniline	ND		10	3.5	ug/L		04/17/25 07:00	04/29/25 21:06	1
Nitrobenzene	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 21:06	1
2-Nitrophenol	ND		10	1.2	ug/L		04/17/25 07:00	04/29/25 21:06	1
4-Nitrophenol	ND		10	2.7	ug/L		04/17/25 07:00	04/29/25 21:06	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/17/25 07:00	04/29/25 21:06	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/17/25 07:00	04/29/25 21:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/17/25 07:00	04/29/25 21:06	1
Pentachlorophenol	ND		10	2.8	ug/L		04/17/25 07:00	04/29/25 21:06	1
Phenol	ND		10	0.68	ug/L		04/17/25 07:00	04/29/25 21:06	1
Pyridine	ND		10	3.0	ug/L		04/17/25 07:00	04/29/25 21:06	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/17/25 07:00	04/29/25 21:06	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/17/25 07:00	04/29/25 21:06	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: MW6C-ROX-041025
Date Collected: 04/10/25 10:15
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		15 - 150	04/17/25 07:00	04/29/25 21:06	1
Nitrobenzene-d5	102		50 - 150	04/17/25 07:00	04/29/25 21:06	1
Terphenyl-d14	72		43 - 147	04/17/25 07:00	04/29/25 21:06	1
2-Fluorobiphenyl	84		15 - 150	04/17/25 07:00	04/29/25 21:06	1
2-Fluorophenol	165	S1+	10 - 150	04/17/25 07:00	04/29/25 21:06	1
Nitrobenzene-d5	102		50 - 150	04/17/25 07:00	04/29/25 21:06	1
Phenol-d5	146		10 - 150	04/17/25 07:00	04/29/25 21:06	1
Terphenyl-d14	72		43 - 147	04/17/25 07:00	04/29/25 21:06	1
2,4,6-Tribromophenol	97		10 - 150	04/17/25 07:00	04/29/25 21:06	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.019	ug/L		04/15/25 10:38	04/15/25 21:20	1
1,2-Dibromoethane	ND		0.022	0.017	ug/L		04/15/25 10:38	04/15/25 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	67		51 - 149	04/15/25 10:38	04/15/25 21:20	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Client Sample ID: MW6B-ROX-041025
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-4
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			04/23/25 15:55	1
Acrolein	ND		20	3.3	ug/L			04/23/25 15:55	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 15:55	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 15:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 15:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 15:55	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 15:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 15:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 15:55	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 15:55	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 15:55	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 15:55	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 15:55	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 15:55	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 15:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 15:55	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 15:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 15:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 15:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 15:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 15:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 15:55	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 15:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 15:55	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 15:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 15:55	1
Methyl tert-butyl ether	**0.42**	**J**	1.0	0.22	ug/L			04/23/25 15:55	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:55	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 15:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 15:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 15:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 15:55	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 15:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 15:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 15:55	1

Client Sample ID: MW6B-ROX-041025
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-4
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			04/23/25 15:55	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 15:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 15:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 15:55	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 15:55	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 15:55	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/23/25 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 15:55	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 15:55	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 15:55	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 15:55	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 15:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 15:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 15:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 15:55	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 15:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 15:55	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*56 - 136*		*04/23/25 15:55*	*1*
Dibromofluoromethane	*100*		*79 - 130*		*04/23/25 15:55*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*04/23/25 15:55*	*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		04/17/25 07:00	04/29/25 21:37	1
Aniline	ND		10	0.74	ug/L		04/17/25 07:00	04/29/25 21:37	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzenethiol	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 21:37	1
Anthracene	ND		0.20	0.073	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzoic acid	ND		30	27	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/17/25 07:00	04/29/25 21:37	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/17/25 07:00	04/29/25 21:37	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/17/25 07:00	04/29/25 21:37	1
bis (2-chloroisopropyl) ether	ND		10	0.94	ug/L		04/17/25 07:00	04/29/25 21:37	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 21:37	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/17/25 07:00	04/29/25 21:37	1
Chrysene	ND		0.20	0.039	ug/L		04/17/25 07:00	04/29/25 21:37	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Chloroaniline	ND		10	0.28	ug/L		04/17/25 07:00	04/29/25 21:37	1

Client Sample ID: MW6B-ROX-041025
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 21:37	1
Fluorene	ND		0.20	0.088	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Chlorophenol	ND		10	0.85	ug/L		04/17/25 07:00	04/29/25 21:37	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 21:37	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		04/17/25 07:00	04/29/25 21:37	1
Dibenz[a,h]acridine	ND	UJ	10	0.69	ug/L		04/17/25 07:00	04/29/25 21:37	1
Dibenzofuran	ND		10	0.64	ug/L		04/17/25 07:00	04/29/25 21:37	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/17/25 07:00	04/29/25 21:37	1
Phenanthrene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/17/25 07:00	04/29/25 21:37	1
Pyrene	ND		0.20	0.096	ug/L		04/17/25 07:00	04/29/25 21:37	1
Diethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 21:37	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/17/25 07:00	04/29/25 21:37	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
1,4-Dioxane	ND		10	4.3	ug/L		04/17/25 07:00	04/29/25 21:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.94	ug/L		04/17/25 07:00	04/29/25 21:37	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/17/25 07:00	04/29/25 21:37	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/17/25 07:00	04/29/25 21:37	1
Hexachloroethane	ND		10	0.53	ug/L		04/17/25 07:00	04/29/25 21:37	1
Indene	ND		10	0.44	ug/L		04/17/25 07:00	04/29/25 21:37	1
Isophorone	ND		10	0.81	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Methylphenol	ND		10	0.77	ug/L		04/17/25 07:00	04/29/25 21:37	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Nitroaniline	ND		10	1.4	ug/L		04/17/25 07:00	04/29/25 21:37	1
3-Nitroaniline	ND		10	0.96	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Nitroaniline	ND		10	3.5	ug/L		04/17/25 07:00	04/29/25 21:37	1
Nitrobenzene	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 21:37	1
2-Nitrophenol	ND		10	1.2	ug/L		04/17/25 07:00	04/29/25 21:37	1
4-Nitrophenol	ND		10	2.8	ug/L		04/17/25 07:00	04/29/25 21:37	1
N-Nitrosodimethylamine	ND		10	0.98	ug/L		04/17/25 07:00	04/29/25 21:37	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/17/25 07:00	04/29/25 21:37	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/17/25 07:00	04/29/25 21:37	1
Pentachlorophenol	ND		10	2.8	ug/L		04/17/25 07:00	04/29/25 21:37	1
Phenol	ND		10	0.68	ug/L		04/17/25 07:00	04/29/25 21:37	1
Pyridine	ND		10	3.0	ug/L		04/17/25 07:00	04/29/25 21:37	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/17/25 07:00	04/29/25 21:37	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/17/25 07:00	04/29/25 21:37	1

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6B-ROX-041025
Lab Sample ID: 400-274130-4

Date Collected: 04/10/25 11:30
Matrix: Water
Date Received: 04/11/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
Terphenyl-d14	*72*		*43 - 147*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
2-Fluorophenol	*131*		*10 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
Phenol-d5	*114*		*10 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
Terphenyl-d14	*72*		*43 - 147*	*04/17/25 07:00*	*04/29/25 21:37*	*1*
2,4,6-Tribromophenol	*90*		*10 - 150*	*04/17/25 07:00*	*04/29/25 21:37*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/15/25 10:38	04/15/25 21:41	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/15/25 10:38	04/15/25 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*69*		*51 - 149*	*04/15/25 10:38*	*04/15/25 21:41*	*1*

Client Sample ID: MW6B-ROX-041025-DUP
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-5
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			04/23/25 16:19	1
Acrolein	ND		20	3.3	ug/L			04/23/25 16:19	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 16:19	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 16:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 16:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 16:19	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 16:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 16:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 16:19	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 16:19	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 16:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 16:19	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 16:19	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 16:19	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 16:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 16:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 16:19	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 16:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 16:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 16:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 16:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 16:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 16:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 16:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 16:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 16:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 16:19	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 16:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 16:19	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 16:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 16:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 16:19	1
Methyl tert-butyl ether	**0.41**	**J**	1.0	0.22	ug/L			04/23/25 16:19	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 16:19	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 16:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 16:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 16:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 16:19	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 16:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 16:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 16:19	1

Client Sample ID: MW6B-ROX-041025-DUP
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-5
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			04/23/25 16:19	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 16:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 16:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 16:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 16:19	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 16:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 16:19	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 16:19	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/23/25 16:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 16:19	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 16:19	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 16:19	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 16:19	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 16:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 16:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 16:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 16:19	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 16:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 16:19	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*56 - 136*		*04/23/25 16:19*	*1*
Dibromofluoromethane	*85*		*79 - 130*		*04/23/25 16:19*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/23/25 16:19*	*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		04/17/25 07:00	04/29/25 22:07	1
Aniline	ND		9.9	0.73	ug/L		04/17/25 07:00	04/29/25 22:07	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzenethiol	ND		9.9	0.59	ug/L		04/17/25 07:00	04/29/25 22:07	1
Anthracene	ND		0.20	0.072	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzoic acid	ND		30	27	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 22:07	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/17/25 07:00	04/29/25 22:07	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/17/25 07:00	04/29/25 22:07	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		04/17/25 07:00	04/29/25 22:07	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/17/25 07:00	04/29/25 22:07	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/17/25 07:00	04/29/25 22:07	1
Chrysene	ND		0.20	0.038	ug/L		04/17/25 07:00	04/29/25 22:07	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/17/25 07:00	04/29/25 22:07	1

Client Sample ID: MW6B-ROX-041025-DUP
Date Collected: 04/10/25 11:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		04/17/25 07:00	04/29/25 22:07	1
Fluorene	ND		0.20	0.086	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Chlorophenol	ND		9.9	0.83	ug/L		04/17/25 07:00	04/29/25 22:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 22:07	1
1-Methylnaphthalene	ND		0.20	0.065	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/17/25 07:00	04/29/25 22:07	1
Dibenz[a,h]acridine	ND	UJ	9.9	0.68	ug/L		04/17/25 07:00	04/29/25 22:07	1
Dibenzofuran	ND		9.9	0.63	ug/L		04/17/25 07:00	04/29/25 22:07	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/17/25 07:00	04/29/25 22:07	1
Phenanthrene	ND		0.20	0.043	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/17/25 07:00	04/29/25 22:07	1
Pyrene	ND		0.20	0.094	ug/L		04/17/25 07:00	04/29/25 22:07	1
Diethyl phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/17/25 07:00	04/29/25 22:07	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/17/25 07:00	04/29/25 22:07	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		04/17/25 07:00	04/29/25 22:07	1
1,4-Dioxane	ND		9.9	4.2	ug/L		04/17/25 07:00	04/29/25 22:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		04/17/25 07:00	04/29/25 22:07	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/17/25 07:00	04/29/25 22:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/17/25 07:00	04/29/25 22:07	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/17/25 07:00	04/29/25 22:07	1
Indene	ND		9.9	0.43	ug/L		04/17/25 07:00	04/29/25 22:07	1
Isophorone	ND		9.9	0.79	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Methylphenol	ND		9.9	0.75	ug/L		04/17/25 07:00	04/29/25 22:07	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/17/25 07:00	04/29/25 22:07	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Nitroaniline	ND		9.9	3.5	ug/L		04/17/25 07:00	04/29/25 22:07	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/17/25 07:00	04/29/25 22:07	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/17/25 07:00	04/29/25 22:07	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/17/25 07:00	04/29/25 22:07	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		04/17/25 07:00	04/29/25 22:07	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/17/25 07:00	04/29/25 22:07	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/17/25 07:00	04/29/25 22:07	1
Pentachlorophenol	ND		9.9	2.8	ug/L		04/17/25 07:00	04/29/25 22:07	1
Phenol	ND		9.9	0.67	ug/L		04/17/25 07:00	04/29/25 22:07	1
Pyridine	ND		9.9	3.0	ug/L		04/17/25 07:00	04/29/25 22:07	1
Quinoline	ND	*- UJ	9.9	0.49	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/17/25 07:00	04/29/25 22:07	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/17/25 07:00	04/29/25 22:07	1

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6B-ROX-041025-DUP
Lab Sample ID: 400-274130-5

Date Collected: 04/10/25 11:30
Matrix: Water
Date Received: 04/11/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
2-Fluorophenol	*130*		*10 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
Nitrobenzene-d5	*93*		*50 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
Phenol-d5	*125*		*10 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/17/25 07:00*	*04/29/25 22:07*	*1*
2,4,6-Tribromophenol	*93*		*10 - 150*	*04/17/25 07:00*	*04/29/25 22:07*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/15/25 10:38	04/15/25 22:24	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/15/25 10:38	04/15/25 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/15/25 10:38*	*04/15/25 22:24*	*1*

Client Sample ID: MW6A-ROX-041025
Date Collected: 04/10/25 13:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-6
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			04/23/25 16:43	1
Acrolein	ND		20	3.3	ug/L			04/23/25 16:43	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 16:43	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 16:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 16:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 16:43	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 16:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 16:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 16:43	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 16:43	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 16:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 16:43	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 16:43	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 16:43	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 16:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 16:43	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 16:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 16:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 16:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 16:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 16:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 16:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 16:43	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 16:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 16:43	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 16:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 16:43	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.22	ug/L			04/23/25 16:43	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 16:43	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 16:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 16:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 16:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 16:43	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 16:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 16:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 16:43	1

Client Sample ID: MW6A-ROX-041025
Date Collected: 04/10/25 13:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-6
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			04/23/25 16:43	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 16:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 16:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 16:43	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 16:43	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 16:43	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/23/25 16:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 16:43	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 16:43	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 16:43	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 16:43	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 16:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 16:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 16:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 16:43	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 16:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 16:43	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/23/25 16:43*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*04/23/25 16:43*	*1*
Toluene-d8 (Surr)	*83*		*64 - 132*		*04/23/25 16:43*	*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		04/17/25 07:00	04/29/25 22:38	1
Aniline	ND		10	0.74	ug/L		04/17/25 07:00	04/29/25 22:38	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzenethiol	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 22:38	1
Anthracene	ND		0.20	0.073	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzoic acid	ND		30	27	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/17/25 07:00	04/29/25 22:38	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/17/25 07:00	04/29/25 22:38	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/17/25 07:00	04/29/25 22:38	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 22:38	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 22:38	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/17/25 07:00	04/29/25 22:38	1
Chrysene	ND		0.20	0.039	ug/L		04/17/25 07:00	04/29/25 22:38	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Chloroaniline	ND		10	0.28	ug/L		04/17/25 07:00	04/29/25 22:38	1

Client Sample ID: MW6A-ROX-041025
Date Collected: 04/10/25 13:30
Date Received: 04/11/25 09:30

Lab Sample ID: 400-274130-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	~~0.060~~	~~J B~~ U	0.20	0.032	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 22:38	1
Fluorene	ND		0.20	0.087	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Chlorophenol	ND		10	0.84	ug/L		04/17/25 07:00	04/29/25 22:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 22:38	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/17/25 07:00	04/29/25 22:38	1
Dibenz[a,h]acridine	ND	UJ	10	0.69	ug/L		04/17/25 07:00	04/29/25 22:38	1
Dibenzofuran	ND		10	0.64	ug/L		04/17/25 07:00	04/29/25 22:38	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/17/25 07:00	04/29/25 22:38	1
Phenanthrene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/17/25 07:00	04/29/25 22:38	1
Pyrene	0.11	J	0.20	0.095	ug/L		04/17/25 07:00	04/29/25 22:38	1
Diethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 22:38	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/17/25 07:00	04/29/25 22:38	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
1,4-Dioxane	ND		10	4.3	ug/L		04/17/25 07:00	04/29/25 22:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 22:38	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/17/25 07:00	04/29/25 22:38	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/17/25 07:00	04/29/25 22:38	1
Hexachloroethane	ND		10	0.53	ug/L		04/17/25 07:00	04/29/25 22:38	1
Indene	ND		10	0.44	ug/L		04/17/25 07:00	04/29/25 22:38	1
Isophorone	ND		10	0.80	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Methylphenol	ND		10	0.76	ug/L		04/17/25 07:00	04/29/25 22:38	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Nitroaniline	ND		10	1.4	ug/L		04/17/25 07:00	04/29/25 22:38	1
3-Nitroaniline	ND		10	0.95	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Nitroaniline	ND		10	3.5	ug/L		04/17/25 07:00	04/29/25 22:38	1
Nitrobenzene	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 22:38	1
2-Nitrophenol	ND		10	1.2	ug/L		04/17/25 07:00	04/29/25 22:38	1
4-Nitrophenol	ND		10	2.7	ug/L		04/17/25 07:00	04/29/25 22:38	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/17/25 07:00	04/29/25 22:38	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/17/25 07:00	04/29/25 22:38	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/17/25 07:00	04/29/25 22:38	1
Pentachlorophenol	ND		10	2.8	ug/L		04/17/25 07:00	04/29/25 22:38	1
Phenol	ND		10	0.68	ug/L		04/17/25 07:00	04/29/25 22:38	1
Pyridine	ND		10	3.0	ug/L		04/17/25 07:00	04/29/25 22:38	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/17/25 07:00	04/29/25 22:38	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/17/25 07:00	04/29/25 22:38	1

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6A-ROX-041025
Lab Sample ID: 400-274130-6
Date Collected: 04/10/25 13:30
Matrix: Water
Date Received: 04/11/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		15 - 150	04/17/25 07:00	04/29/25 22:38	1
Nitrobenzene-d5	95		50 - 150	04/17/25 07:00	04/29/25 22:38	1
Terphenyl-d14	72		43 - 147	04/17/25 07:00	04/29/25 22:38	1
2-Fluorobiphenyl	86		15 - 150	04/17/25 07:00	04/29/25 22:38	1
2-Fluorophenol	146		10 - 150	04/17/25 07:00	04/29/25 22:38	1
Nitrobenzene-d5	95		50 - 150	04/17/25 07:00	04/29/25 22:38	1
Phenol-d5	137		10 - 150	04/17/25 07:00	04/29/25 22:38	1
Terphenyl-d14	72		43 - 147	04/17/25 07:00	04/29/25 22:38	1
2,4,6-Tribromophenol	107		10 - 150	04/17/25 07:00	04/29/25 22:38	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.034	0.019	ug/L		04/15/25 10:38	04/15/25 22:45	1
1,2-Dibromoethane	ND		0.023	0.017	ug/L		04/15/25 10:38	04/15/25 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	51		51 - 149	04/15/25 10:38	04/15/25 22:45	1

Definitions/Glossary

Client: AECOM
Job ID: 400-274130-1
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, low biased.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274130-1

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)
400-274130-1	TB-ROX-041025-8260	99	93	100
400-274130-3	MW6C-ROX-041025	107	89	93
400-274130-4	MW6B-ROX-041025	118	100	109
400-274130-5	MW6B-ROX-041025-DUP	103	85	93
400-274130-6	MW6A-ROX-041025	108	95	83
LCS 400-706736/1002	Lab Control Sample	107	93	102
MB 400-706736/4	Method Blank	106	91	100

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274130-3	MW6C-ROX-041025	84	84	102	102	72	72	165 S1+	146
400-274130-4	MW6B-ROX-041025	78	78	92	92	72	72	131	114
400-274130-5	MW6B-ROX-041025-DUP	79	79	93	93	73	73	130	125
400-274130-6	MW6A-ROX-041025	86	86	95	95	72	72	146	137
LCS 400-706177/23-A	Lab Control Sample	81	81	92	92	74	74	135	145
LCS 400-706177/2-A	Lab Control Sample	71	71	83	83	60	60	126	148
LCSD 400-706177/24-A	Lab Control Sample Dup	82	82	96	96	74	74	134	133
MB 400-706177/1-A	Method Blank	88	88	104	104	72	72	157 S1+	144

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274130-3	MW6C-ROX-041025	97
400-274130-4	MW6B-ROX-041025	90
400-274130-5	MW6B-ROX-041025-DUP	93
400-274130-6	MW6A-ROX-041025	107
LCS 400-706177/23-A	Lab Control Sample	86
LCS 400-706177/2-A	Lab Control Sample	109
LCSD 400-706177/24-A	Lab Control Sample Dup	95
MB 400-706177/1-A	Method Blank	105

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	BFB1 (51-149)								
400-274130-2	TB-ROX-041025-8011	76								
400-274130-3	MW6C-ROX-041025	67								
400-274130-4	MW6B-ROX-041025	69								
400-274130-5	MW6B-ROX-041025-DUP	71								
400-274130-6	MW6A-ROX-041025	51								
LCS 400-705771/2-A	Lab Control Sample	97								
LCSD 400-705771/3-A	Lab Control Sample Dup	91								
MB 400-705771/1-A	Method Blank	118								

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274130-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041025-8260
Lab Sample ID: 400-274130-1
Date Collected: 04/10/25 00:00
Matrix: Water
Date Received: 04/11/25 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	706736	04/23/25 15:06	WPD	EET PEN

Client Sample ID: TB-ROX-041025-8011
Lab Sample ID: 400-274130-2
Date Collected: 04/10/25 00:00
Matrix: Water
Date Received: 04/11/25 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	8011			33 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 20:58	KR	EET PEN

Client Sample ID: MW6C-ROX-041025
Lab Sample ID: 400-274130-3
Date Collected: 04/10/25 10:15
Matrix: Water
Date Received: 04/11/25 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	706736	04/23/25 15:30	WPD	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707373	04/29/25 21:06	KJA	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/29/25 21:06	KJA	EET PEN
Total/NA	Prep	8011			31.6 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 21:20	KR	EET PEN

Client Sample ID: MW6B-ROX-041025
Lab Sample ID: 400-274130-4
Date Collected: 04/10/25 11:30
Matrix: Water
Date Received: 04/11/25 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	706736	04/23/25 15:55	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707373	04/29/25 21:37	KJA	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/29/25 21:37	KJA	EET PEN
Total/NA	Prep	8011			33.3 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 21:41	KR	EET PEN

Client Sample ID: MW6B-ROX-041025-DUP
Lab Sample ID: 400-274130-5
Date Collected: 04/10/25 11:30
Matrix: Water
Date Received: 04/11/25 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	706736	04/23/25 16:19	WPD	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707373	04/29/25 22:07	KJA	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274130-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW6B-ROX-041025-DUP
Lab Sample ID: 400-274130-5
Date Collected: 04/10/25 11:30
Matrix: Water
Date Received: 04/11/25 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			30.4 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/29/25 22:07	KJA	EET PEN
Total/NA	Prep	8011			34.2 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 22:24	KR	EET PEN

Client Sample ID: MW6A-ROX-041025
Lab Sample ID: 400-274130-6
Date Collected: 04/10/25 13:30
Matrix: Water
Date Received: 04/11/25 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	706736	04/23/25 16:43	WPD	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707373	04/29/25 22:38	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/29/25 22:38	KJA	EET PEN
Total/NA	Prep	8011			30.9 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 22:45	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-705771/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:31	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706177/1-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	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707373	04/29/25 14:57	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/29/25 14:57	KJA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706736/4
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	706736	04/23/25 07:49	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-705771/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 14:52	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706177/23-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	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/30/25 00:09	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706177/2-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	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707373	04/29/25 15:28	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707374	04/29/25 15:28	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706736/1002
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	706736	04/23/25 06:53	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-705771/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	705771	04/15/25 10:38	KR	EET PEN
Total/NA	Analysis	8011		1			705732	04/15/25 15:14	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706177/24-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	706177	04/17/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707374	04/30/25 00:40	KJA	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 706736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-1	TB-ROX-041025-8260	Total/NA	Water	8260D	
400-274130-3	MW6C-ROX-041025	Total/NA	Water	8260D	
400-274130-4	MW6B-ROX-041025	Total/NA	Water	8260D	
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	8260D	
400-274130-6	MW6A-ROX-041025	Total/NA	Water	8260D	
MB 400-706736/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706736/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-3	MW6C-ROX-041025	Total/NA	Water	3511	
400-274130-4	MW6B-ROX-041025	Total/NA	Water	3511	
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	3511	
400-274130-6	MW6A-ROX-041025	Total/NA	Water	3511	
MB 400-706177/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706177/23-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706177/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706177/24-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-3	MW6C-ROX-041025	Total/NA	Water	8270E	706177
400-274130-4	MW6B-ROX-041025	Total/NA	Water	8270E	706177
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	8270E	706177
400-274130-6	MW6A-ROX-041025	Total/NA	Water	8270E	706177
MB 400-706177/1-A	Method Blank	Total/NA	Water	8270E	706177
LCS 400-706177/2-A	Lab Control Sample	Total/NA	Water	8270E	706177

Analysis Batch: 707374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-3	MW6C-ROX-041025	Total/NA	Water	8270E	706177
400-274130-4	MW6B-ROX-041025	Total/NA	Water	8270E	706177
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	8270E	706177
400-274130-6	MW6A-ROX-041025	Total/NA	Water	8270E	706177
MB 400-706177/1-A	Method Blank	Total/NA	Water	8270E	706177
LCS 400-706177/23-A	Lab Control Sample	Total/NA	Water	8270E	706177
LCS 400-706177/2-A	Lab Control Sample	Total/NA	Water	8270E	706177
LCSD 400-706177/24-A	Lab Control Sample Dup	Total/NA	Water	8270E	706177

GC Semi VOA

Analysis Batch: 705732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-2	TB-ROX-041025-8011	Total/NA	Water	8011	705771
400-274130-3	MW6C-ROX-041025	Total/NA	Water	8011	705771
400-274130-4	MW6B-ROX-041025	Total/NA	Water	8011	705771
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	8011	705771
400-274130-6	MW6A-ROX-041025	Total/NA	Water	8011	705771
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	705771
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	705771

GC Semi VOA (Continued)

Analysis Batch: 705732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	705771

Prep Batch: 705771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274130-2	TB-ROX-041025-8011	Total/NA	Water	8011	
400-274130-3	MW6C-ROX-041025	Total/NA	Water	8011	
400-274130-4	MW6B-ROX-041025	Total/NA	Water	8011	
400-274130-5	MW6B-ROX-041025-DUP	Total/NA	Water	8011	
400-274130-6	MW6A-ROX-041025	Total/NA	Water	8011	
MB 400-705771/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-705771/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-705771/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-706736/4
Matrix: Water
Analysis Batch: 706736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/23/25 07:49	1
Acrolein	ND		20	3.3	ug/L			04/23/25 07:49	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/25 07:49	1
Benzene	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/25 07:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/25 07:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Bromoform	ND		5.0	0.25	ug/L			04/23/25 07:49	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/25 07:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/25 07:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/23/25 07:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/23/25 07:49	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/25 07:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/25 07:49	1
Chloroform	ND		1.0	0.90	ug/L			04/23/25 07:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/23/25 07:49	1
Chloromethane	ND		1.0	0.40	ug/L			04/23/25 07:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/23/25 07:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/25 07:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/23/25 07:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/25 07:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/25 07:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/25 07:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/25 07:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/23/25 07:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 07:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/23/25 07:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/25 07:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/25 07:49	1
2-Hexanone	ND		25	4.3	ug/L			04/23/25 07:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/25 07:49	1
Methylene bromide	ND		5.0	0.22	ug/L			04/23/25 07:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/25 07:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/25 07:49	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/23/25 07:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/23/25 07:49	1
Naphthalene	ND		5.0	3.0	ug/L			04/23/25 07:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/25 07:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/25 07:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/25 07:49	1
o-Xylene	ND		5.0	3.0	ug/L			04/23/25 07:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/25 07:49	1

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

Lab Sample ID: MB 400-706736/4
Matrix: Water
Analysis Batch: 706736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/25 07:49	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/23/25 07:49	1
Styrene	ND		1.0	1.0	ug/L			04/23/25 07:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/25 07:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/23/25 07:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/23/25 07:49	1
Toluene	ND		1.0	0.90	ug/L			04/23/25 07:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/25 07:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/23/25 07:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/23/25 07:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/25 07:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/23/25 07:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/23/25 07:49	1
Trichloroethene	ND		1.0	0.15	ug/L			04/23/25 07:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/23/25 07:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/25 07:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/25 07:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/25 07:49	1
Vinyl acetate	ND		25	0.93	ug/L			04/23/25 07:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/25 07:49	1
Xylenes, Total	ND		10	6.0	ug/L			04/23/25 07:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*04/23/25 07:49*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/23/25 07:49*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/23/25 07:49*	*1*

Lab Sample ID: LCS 400-706736/1002
Matrix: Water
Analysis Batch: 706736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	210		ug/L		105	43 - 150
Acrolein	500	407		ug/L		81	38 - 150
Acrylonitrile	500	500		ug/L		100	64 - 142
Benzene	50.0	48.6		ug/L		97	70 - 130
Bromobenzene	50.0	48.1		ug/L		96	70 - 132
Bromochloromethane	50.0	47.1		ug/L		94	70 - 130
Bromodichloromethane	50.0	43.9		ug/L		88	67 - 133
Bromoform	50.0	42.6		ug/L		85	57 - 140
Bromomethane	50.0	43.1		ug/L		86	10 - 150
2-Butanone (MEK)	200	190		ug/L		95	61 - 145
Carbon disulfide	50.0	49.7		ug/L		99	61 - 137
Carbon tetrachloride	50.0	41.2		ug/L		82	61 - 137
Chlorobenzene	50.0	47.6		ug/L		95	70 - 130
Chloroethane	50.0	47.2		ug/L		94	55 - 141
2-Chloroethyl vinyl ether	50.0	39.3		ug/L		79	10 - 150

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

Lab Sample ID: LCS 400-706736/1002
Matrix: Water
Analysis Batch: 706736

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	45.1		ug/L		90	69 - 130
1-Chlorohexane	50.0	51.5		ug/L		103	69 - 130
Chloromethane	50.0	43.7		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	51.9		ug/L		104	68 - 130
cis-1,3-Dichloropropene	50.0	47.8		ug/L		96	69 - 132
Dibromochloromethane	50.0	44.9		ug/L		90	67 - 135
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 130
Dichlorodifluoromethane	50.0	31.8		ug/L		64	41 - 146
1,1-Dichloroethane	50.0	49.8		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	40.7		ug/L		81	69 - 130
1,1-Dichloroethene	50.0	56.2		ug/L		112	63 - 134
1,2-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	42.5		ug/L		85	52 - 135
1,1-Dichloropropene	50.0	46.1		ug/L		92	70 - 130
Ethylbenzene	50.0	49.2		ug/L		98	70 - 130
Ethyl methacrylate	50.0	48.9		ug/L		98	68 - 130
Hexachlorobutadiene	50.0	44.6		ug/L		89	53 - 140
2-Hexanone	200	218		ug/L		109	65 - 137
Isopropylbenzene	50.0	49.1		ug/L		98	70 - 130
Methylene bromide	50.0	45.9		ug/L		92	70 - 130
Methylene Chloride	50.0	51.7		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	185		ug/L		92	69 - 138
Methyl tert-butyl ether	50.0	48.5		ug/L		97	66 - 130
m-Xylene & p-Xylene	50.0	47.4		ug/L		95	70 - 130
Naphthalene	50.0	38.0		ug/L		76	47 - 149
n-Butylbenzene	50.0	55.7		ug/L		111	67 - 130
N-Propylbenzene	50.0	54.8		ug/L		110	70 - 130
o-Chlorotoluene	50.0	53.0		ug/L		106	70 - 130
o-Xylene	50.0	48.7		ug/L		97	70 - 130
p-Chlorotoluene	50.0	52.1		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	52.4		ug/L		105	65 - 130
sec-Butylbenzene	50.0	54.9		ug/L		110	66 - 130
Styrene	50.0	47.7		ug/L		95	70 - 130
tert-Butylbenzene	50.0	52.9		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.1		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 131
Tetrachloroethene	50.0	45.8		ug/L		92	65 - 130
Toluene	50.0	49.1		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 130
trans-1,3-Dichloropropene	50.0	47.4		ug/L		95	63 - 130
1,2,3-Trichlorobenzene	50.0	35.2		ug/L		70	60 - 138
1,2,4-Trichlorobenzene	50.0	40.8		ug/L		82	60 - 140
1,1,1-Trichloroethane	50.0	43.7		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130
Trichloroethene	50.0	45.0		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	40.5		ug/L		81	65 - 138

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

Lab Sample ID: LCS 400-706736/1002
Matrix: Water
Analysis Batch: 706736

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	49.3		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	54.1		ug/L		108	69 - 130
Vinyl acetate	100	96.5		ug/L		96	26 - 150
Vinyl chloride	50.0	41.6		ug/L		83	59 - 136
Xylenes, Total	100	96.1		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*93*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-706177/1-A
Matrix: Water
Analysis Batch: 707373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/17/25 07:00	04/29/25 14:57	1
Aniline	ND		10	0.74	ug/L		04/17/25 07:00	04/29/25 14:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzenethiol	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 14:57	1
Anthracene	ND		0.20	0.073	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzoic acid	ND		30	27	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzyl alcohol	ND		10	1.9	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/17/25 07:00	04/29/25 14:57	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/17/25 07:00	04/29/25 14:57	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/17/25 07:00	04/29/25 14:57	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 14:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/17/25 07:00	04/29/25 14:57	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/17/25 07:00	04/29/25 14:57	1
Chrysene	ND		0.20	0.039	ug/L		04/17/25 07:00	04/29/25 14:57	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Chloroaniline	ND		10	0.28	ug/L		04/17/25 07:00	04/29/25 14:57	1
Fluoranthene	0.0335	J	0.20	0.032	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/17/25 07:00	04/29/25 14:57	1
Fluorene	ND		0.20	0.087	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Chlorophenol	ND		10	0.84	ug/L		04/17/25 07:00	04/29/25 14:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/17/25 07:00	04/29/25 14:57	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/17/25 07:00	04/29/25 14:57	1

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

Lab Sample ID: MB 400-706177/1-A
Matrix: Water
Analysis Batch: 707374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/17/25 07:00	04/29/25 14:57	1
Dibenzofuran	ND		10	0.64	ug/L		04/17/25 07:00	04/29/25 14:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/17/25 07:00	04/29/25 14:57	1
Phenanthrene	ND		0.20	0.044	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/17/25 07:00	04/29/25 14:57	1
Pyrene	ND		0.20	0.095	ug/L		04/17/25 07:00	04/29/25 14:57	1
Diethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/17/25 07:00	04/29/25 14:57	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/17/25 07:00	04/29/25 14:57	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
1,4-Dioxane	ND		10	4.3	ug/L		04/17/25 07:00	04/29/25 14:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/17/25 07:00	04/29/25 14:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/17/25 07:00	04/29/25 14:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/17/25 07:00	04/29/25 14:57	1
Hexachloroethane	ND		10	0.53	ug/L		04/17/25 07:00	04/29/25 14:57	1
Indene	ND		10	0.44	ug/L		04/17/25 07:00	04/29/25 14:57	1
Isophorone	ND		10	0.80	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Methylphenol	ND		10	0.76	ug/L		04/17/25 07:00	04/29/25 14:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Nitroaniline	ND		10	1.4	ug/L		04/17/25 07:00	04/29/25 14:57	1
3-Nitroaniline	ND		10	0.95	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Nitroaniline	ND		10	3.5	ug/L		04/17/25 07:00	04/29/25 14:57	1
Nitrobenzene	ND		10	0.60	ug/L		04/17/25 07:00	04/29/25 14:57	1
2-Nitrophenol	ND		10	1.2	ug/L		04/17/25 07:00	04/29/25 14:57	1
4-Nitrophenol	ND		10	2.7	ug/L		04/17/25 07:00	04/29/25 14:57	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/17/25 07:00	04/29/25 14:57	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/17/25 07:00	04/29/25 14:57	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/17/25 07:00	04/29/25 14:57	1
Pentachlorophenol	ND		10	2.8	ug/L		04/17/25 07:00	04/29/25 14:57	1
Phenol	ND		10	0.68	ug/L		04/17/25 07:00	04/29/25 14:57	1
Pyridine	ND		10	3.0	ug/L		04/17/25 07:00	04/29/25 14:57	1
Quinoline	ND		10	0.50	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/17/25 07:00	04/29/25 14:57	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/17/25 07:00	04/29/25 14:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*04/17/25 07:00*	*04/29/25 14:57*	*1*
Nitrobenzene-d5	*104*		*50 - 150*	*04/17/25 07:00*	*04/29/25 14:57*	*1*
Terphenyl-d14	*72*		*43 - 147*	*04/17/25 07:00*	*04/29/25 14:57*	*1*
2-Fluorobiphenyl	*88*		*15 - 150*	*04/17/25 07:00*	*04/29/25 14:57*	*1*
2-Fluorophenol	*157*	*S1+*	*10 - 150*	*04/17/25 07:00*	*04/29/25 14:57*	*1*
Nitrobenzene-d5	*104*		*50 - 150*	*04/17/25 07:00*	*04/29/25 14:57*	*1*

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

Lab Sample ID: MB 400-706177/1-A
Matrix: Water
Analysis Batch: 707374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706177

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	144		10 - 150	04/17/25 07:00	04/29/25 14:57	1
Terphenyl-d14	72		43 - 147	04/17/25 07:00	04/29/25 14:57	1
2,4,6-Tribromophenol	105		10 - 150	04/17/25 07:00	04/29/25 14:57	1

Lab Sample ID: LCS 400-706177/23-A
Matrix: Water
Analysis Batch: 707374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	18.9		ug/L		38	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	81		15 - 150
2-Fluorophenol	135		10 - 150
Nitrobenzene-d5	92		50 - 150
Phenol-d5	145		10 - 150
Terphenyl-d14	74		43 - 147
2,4,6-Tribromophenol	86		10 - 150

Lab Sample ID: LCS 400-706177/2-A
Matrix: Water
Analysis Batch: 707373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	13.4		ug/L		54	44 - 122
Aniline	25.0	10.6		ug/L		42	10 - 150
Acenaphthylene	25.0	13.9		ug/L		56	42 - 125
Anthracene	25.0	15.0		ug/L		60	51 - 136
Benzoic acid	214	356	E	ug/L		166	10 - 180
Benzo[a]anthracene	25.0	15.0		ug/L		60	50 - 138
Benzyl alcohol	25.0	6.01	J	ug/L		24	10 - 150
Benzo[a]pyrene	25.0	14.3		ug/L		57	53 - 134
Bis(2-chloroethoxy)methane	25.0	19.0		ug/L		76	60 - 123
Benzo[b]fluoranthene	25.0	14.9		ug/L		59	50 - 134
Bis(2-chloroethyl)ether	25.0	15.1		ug/L		60	45 - 127
Benzo[g,h,i]perylene	25.0	14.5		ug/L		58	42 - 138
bis (2-chloroisopropyl) ether	25.0	14.2		ug/L		57	10 - 150
Benzo[k]fluoranthene	25.0	14.2		ug/L		57	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	17.9		ug/L		72	10 - 147
4-Bromophenyl phenyl ether	25.0	13.5		ug/L		54	50 - 126
Chrysene	25.0	14.5		ug/L		58	53 - 141
Butyl benzyl phthalate	25.0	17.5		ug/L		70	36 - 137
Dibenz(a,h)anthracene	25.0	14.6		ug/L		59	41 - 139
4-Chloroaniline	25.0	10.8		ug/L		43	10 - 150
Fluoranthene	25.0	14.9		ug/L		60	49 - 141
4-Chloro-3-methylphenol	25.0	17.9		ug/L		71	14 - 150
Fluorene	25.0	14.5		ug/L		58	41 - 136
2-Chloronaphthalene	25.0	15.6		ug/L		63	44 - 122

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

Lab Sample ID: LCS 400-706177/2-A
Matrix: Water
Analysis Batch: 707374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	18.9		ug/L		76	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	14.8		ug/L		59	30 - 150
1-Methylnaphthalene	25.0	14.3		ug/L		57	36 - 117
4-Chlorophenyl phenyl ether	25.0	13.0		ug/L		52	51 - 125
2-Methylnaphthalene	25.0	14.7		ug/L		59	31 - 115
Dibenz[a,h]acridine	49.9	30.5		ug/L		61	50 - 150
Dibenzofuran	25.0	15.0		ug/L		60	55 - 125
3,3'-Dichlorobenzidine	33.3	15.2		ug/L		46	10 - 150
Phenanthrene	25.0	14.7		ug/L		59	50 - 133
2,4-Dichlorophenol	25.0	19.8		ug/L		79	11 - 150
Pyrene	25.0	15.0		ug/L		60	46 - 149
Diethyl phthalate	25.0	17.4		ug/L		70	61 - 130
2,4-Dimethylphenol	25.0	17.4		ug/L		70	5 - 150
Dimethyl phthalate	25.0	15.4		ug/L		62	55 - 139
Di-n-butyl phthalate	25.0	17.0		ug/L		68	50 - 150
4,6-Dinitro-ortho-cresol	50.0	51.0		ug/L		102	10 - 150
2,4-Dinitrophenol	50.0	55.4		ug/L		111	10 - 150
2,4-Dinitrotoluene	25.0	18.9		ug/L		76	46 - 137
2,6-Dinitrotoluene	25.0	20.3		ug/L		81	35 - 150
Di-n-octyl phthalate	25.0	20.7		ug/L		83	10 - 150
1,4-Dioxane	25.0	14.9		ug/L		60	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.0	I	ug/L		60	49 - 125
Hexachlorobenzene	25.0	14.5		ug/L		58	53 - 126
Hexachlorocyclopentadiene	25.0	18.0	J	ug/L		72	10 - 150
Hexachloroethane	25.0	11.7		ug/L		47	10 - 112
Indene	50.0	25.2		ug/L		50	50 - 150
Isophorone	25.0	14.7		ug/L		59	51 - 125
2-Methylphenol	25.0	16.8		ug/L		67	42 - 120
3 & 4 Methylphenol	25.0	22.0		ug/L		88	10 - 150
2-Nitroaniline	25.0	19.7		ug/L		79	10 - 150
3-Nitroaniline	25.0	20.3		ug/L		81	10 - 150
4-Nitroaniline	25.0	24.9		ug/L		100	10 - 144
Nitrobenzene	25.0	15.9		ug/L		64	57 - 138
2-Nitrophenol	25.0	24.0		ug/L		96	21 - 150
4-Nitrophenol	50.0	49.9		ug/L		100	10 - 150
N-Nitrosodimethylamine	25.0	16.0		ug/L		64	10 - 136
N-Nitrosodi-n-propylamine	25.0	15.8		ug/L		63	53 - 134
N-Nitrosodiphenylamine	24.8	15.6		ug/L		63	62 - 132
Pentachlorophenol	50.0	53.0		ug/L		106	16 - 150
Phenol	25.0	24.4		ug/L		98	10 - 150
Pyridine	50.0	14.2		ug/L		28	10 - 150
Quinoline	49.9	23.8	*-	ug/L		48	50 - 150
2,4,5-Trichlorophenol	25.0	19.2		ug/L		77	10 - 150
2,4,6-Trichlorophenol	25.0	20.2		ug/L		81	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*

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

Lab Sample ID: LCS 400-706177/2-A
Matrix: Water
Analysis Batch: 707373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706177

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*83*		*50 - 150*
Terphenyl-d14	*60*		*43 - 147*
2-Fluorobiphenyl	*71*		*15 - 150*
2-Fluorophenol	*126*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Phenol-d5	*148*		*10 - 150*
Terphenyl-d14	*60*		*43 - 147*
2,4,6-Tribromophenol	*109*		*10 - 150*

Lab Sample ID: LCSD 400-706177/24-A
Matrix: Water
Analysis Batch: 707374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	19.5		ug/L		39	10 - 150	3	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
2-Fluorophenol	*134*		*10 - 150*
Nitrobenzene-d5	*96*		*50 - 150*
Phenol-d5	*133*		*10 - 150*
Terphenyl-d14	*74*		*43 - 147*
2,4,6-Tribromophenol	*95*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-705771/1-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/15/25 10:38	04/15/25 14:31	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/15/25 10:38	04/15/25 14:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*51 - 149*	*04/15/25 10:38*	*04/15/25 14:31*	*1*

Lab Sample ID: LCS 400-705771/2-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane			0.101	0.108		ug/L		107	60 - 140
1,2-Dibromoethane			0.100	0.109		ug/L		109	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

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

Lab Sample ID: LCSD 400-705771/3-A
Matrix: Water
Analysis Batch: 705732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705771

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.102		ug/L		101	60 - 140	6	30
1,2-Dibromoethane			0.100	0.110		ug/L		110	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/10/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __1__
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, T.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 – 3.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 0.0, 0.0 IR8

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041025-8260	4/10/2025	0000	Water	2					2	X			
	TB-ROX-041025-8011	4/10/2025	0000	Water	2					2		X		
	MW6C-ROX-041025	4/10/2025	1015	Water	6			4		10	X	X	X	X
	MW6B-ROX-041025	4/10/2025	1130	Water	6			4		10	X	X	X	X
	MW6B-ROX-041025-DUP	4/10/2025	1130	Water	6			4		10	X	X	X	X
	MW6A-ROX-041025	4/10/2025	1330	Water	6			4		10	X	X	X	X

400-274130 Chain of Custody

041025

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496016226/ 423496013650/ 423496016259	4/10/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/11/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 2779079, 2779078, 2779050, 2779051, 2779053, 2779052

5/2/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274130-1

Login Number: 274130
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, 0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274130-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274171-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/9/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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 (%)
P54-ROX-041125	SVOCs	2,4,6-Tribromophenol	**0**	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	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.		X		

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

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-706252/2A/ LCSD 400-706252/3-A	SVOCs	Quinoline	**44/44**	0	50-150/40
LCS 400-706252/2A/ LCSD 400-706252/3-A	SVOCs	Benzoic Acid	**202/181**	11	10-180/40

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
P54-ROX-041125	SVOCs	Quinoline	**UJ**

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 continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low.

Method 8270E (SVOCs)

The continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8011 (VOCs) The continuing calibration verifications (CCV) for1,2-dibromo-3-chloropropane 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			X	Evaluation not required for Stage 2A + IS/ICV/CCV hybrid validation.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-041125	VOCs	1,2-Dichloroethane	**UJ**
P54-ROX-041125	VOCs	1,2,3-Trichlorobenzene	**UJ**
P54-ROX-041125	SVOCs	Pyridine	**UJ**
P54-ROX-041125	SVOCs	4-Nitrophenol	**UJ**
P54-ROX-041125	SVOCs	Benzyl alcohol	**UJ**
P54-ROX-041125	SVOCs	Dibenz[a,h]acridine	**UJ**
P54-ROX-041125	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**

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

[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 5/2/2025 12:43:23 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274171-1

Reviewed 7/16/2025
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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5/2/2025 12:43:23 PM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-274171-1

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 4/12/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0°C and 1.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706886 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-706886/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-706886 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene and 1,2-Dichloroethane. 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-041125-8260 (400-274171-1) and P54-ROX-041125 (400-274171-3). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

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

GC/MS Semi VOA
Method 8270E_QQQ: The initial calibration verification (ICV) analyzed in batch 400-702879 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 400-707543 recovered outside acceptance criteria, low biased, for for 4-Nitrophenol, Benzyl alcohol, Dibenz[a,h]acridine and Pyridine. 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 continuing calibration verification (CCV) associated with batch 400-707543 recovered above the upper control limit for 2-Nitrophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4,6-Dinitro-ortho-cresol, Dibenzofuran, Di-n-octyl phthalate and Hexachlorocyclopentadiene . 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 400-706252 and analytical batch 400-707543 recovered outside control limits for the following analytes: Benzoic acid. 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 following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-706252 and analytical batch 400-707543: Benzyl alcohol and Quinoline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

Job ID: 400-274171-1 (Continued) Eurofins Pensacola

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706163 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-274171-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274171-1	TB-ROX-041125-8260	Water	04/11/25 00:00	04/12/25 09:45
400-274171-2	TB-ROX-041125-8011	Water	04/11/25 00:00	04/12/25 09:45
400-274171-3	P54-ROX-041125	Water	04/11/25 10:05	04/12/25 09:45

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Client Sample ID: TB-ROX-041125-8260 — Lab Sample ID: 400-274171-1

No Detections.

Client Sample ID: TB-ROX-041125-8011 — Lab Sample ID: 400-274171-2

No Detections.

Client Sample ID: P54-ROX-041125 — Lab Sample ID: 400-274171-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.040	J	0.20	0.032	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Client Sample ID: TB-ROX-041125-8260
Date Collected: 04/11/25 00:00
Date Received: 04/12/25 09:45

Lab Sample ID: 400-274171-1
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			04/24/25 15:37	1
Acrolein	ND		20	3.3	ug/L			04/24/25 15:37	1
Acrylonitrile	ND		10	2.8	ug/L			04/24/25 15:37	1
Benzene	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Bromobenzene	ND		1.0	0.54	ug/L			04/24/25 15:37	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/24/25 15:37	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Bromoform	ND		5.0	0.25	ug/L			04/24/25 15:37	1
Bromomethane	ND		1.0	0.98	ug/L			04/24/25 15:37	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/24/25 15:37	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/24/25 15:37	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/24/25 15:37	1
Chloroethane	ND		1.0	0.76	ug/L			04/24/25 15:37	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/24/25 15:37	1
Chloroform	ND		1.0	0.90	ug/L			04/24/25 15:37	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/24/25 15:37	1
Chloromethane	ND		1.0	0.40	ug/L			04/24/25 15:37	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/25 15:37	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/25 15:37	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/24/25 15:37	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/24/25 15:37	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/24/25 15:37	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/24/25 15:37	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/24/25 15:37	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/24/25 15:37	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 15:37	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/24/25 15:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/24/25 15:37	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/24/25 15:37	1
2-Hexanone	ND		25	4.3	ug/L			04/24/25 15:37	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/24/25 15:37	1
Methylene bromide	ND		5.0	0.22	ug/L			04/24/25 15:37	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/24/25 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/24/25 15:37	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/24/25 15:37	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/24/25 15:37	1
Naphthalene	ND		5.0	3.0	ug/L			04/24/25 15:37	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/24/25 15:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/24/25 15:37	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/24/25 15:37	1
o-Xylene	ND		5.0	3.0	ug/L			04/24/25 15:37	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/24/25 15:37	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/24/25 15:37	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Client Sample ID: TB-ROX-041125-8260
Date Collected: 04/11/25 00:00
Date Received: 04/12/25 09:45

Lab Sample ID: 400-274171-1
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			04/24/25 15:37	1
Styrene	ND		1.0	1.0	ug/L			04/24/25 15:37	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/24/25 15:37	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/24/25 15:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/24/25 15:37	1
Toluene	ND		1.0	0.90	ug/L			04/24/25 15:37	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 15:37	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/24/25 15:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/24/25 15:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/24/25 15:37	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/24/25 15:37	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/24/25 15:37	1
Trichloroethene	ND		1.0	0.15	ug/L			04/24/25 15:37	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/24/25 15:37	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/24/25 15:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/24/25 15:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/24/25 15:37	1
Vinyl acetate	ND		25	0.93	ug/L			04/24/25 15:37	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/24/25 15:37	1
Xylenes, Total	ND		10	6.0	ug/L			04/24/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*04/24/25 15:37*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/24/25 15:37*	*1*
Toluene-d8 (Surr)	*111*		*64 - 132*		*04/24/25 15:37*	*1*

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041125-8011
Lab Sample ID: 400-274171-2
Date Collected: 04/11/25 00:00
Matrix: Water
Date Received: 04/12/25 09:45

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/17/25 13:28	04/17/25 17:24	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/17/25 13:28	04/17/25 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*51 - 149*	*04/17/25 13:28*	*04/17/25 17:24*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Client Sample ID: P54-ROX-041125
Date Collected: 04/11/25 10:05
Date Received: 04/12/25 09:45

Lab Sample ID: 400-274171-3
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			04/24/25 16:01	1
Acrolein	ND		20	3.3	ug/L			04/24/25 16:01	1
Acrylonitrile	ND		10	2.8	ug/L			04/24/25 16:01	1
Benzene	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Bromobenzene	ND		1.0	0.54	ug/L			04/24/25 16:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/24/25 16:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Bromoform	ND		5.0	0.25	ug/L			04/24/25 16:01	1
Bromomethane	ND		1.0	0.98	ug/L			04/24/25 16:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/24/25 16:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/24/25 16:01	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/24/25 16:01	1
Chloroethane	ND		1.0	0.76	ug/L			04/24/25 16:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/24/25 16:01	1
Chloroform	ND		1.0	0.90	ug/L			04/24/25 16:01	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/24/25 16:01	1
Chloromethane	ND		1.0	0.40	ug/L			04/24/25 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/25 16:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/25 16:01	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/24/25 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/24/25 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/24/25 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/24/25 16:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/24/25 16:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
1,2-Dichloroethane	ND	UJ	1.0	0.55	ug/L			04/24/25 16:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 16:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/24/25 16:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/24/25 16:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/24/25 16:01	1
2-Hexanone	ND		25	4.3	ug/L			04/24/25 16:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/24/25 16:01	1
Methylene bromide	ND		5.0	0.22	ug/L			04/24/25 16:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/24/25 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/24/25 16:01	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/24/25 16:01	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/24/25 16:01	1
Naphthalene	ND		5.0	3.0	ug/L			04/24/25 16:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/24/25 16:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/24/25 16:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/24/25 16:01	1
o-Xylene	ND		5.0	3.0	ug/L			04/24/25 16:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/24/25 16:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/24/25 16:01	1

Client Sample ID: P54-ROX-041125
Date Collected: 04/11/25 10:05
Date Received: 04/12/25 09:45

Lab Sample ID: 400-274171-3
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			04/24/25 16:01	1
Styrene	ND		1.0	1.0	ug/L			04/24/25 16:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/24/25 16:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/24/25 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/24/25 16:01	1
Toluene	ND		1.0	0.90	ug/L			04/24/25 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 16:01	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/24/25 16:01	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/24/25 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/24/25 16:01	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/24/25 16:01	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/24/25 16:01	1
Trichloroethene	ND		1.0	0.15	ug/L			04/24/25 16:01	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/24/25 16:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/24/25 16:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/24/25 16:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/24/25 16:01	1
Vinyl acetate	ND		25	0.93	ug/L			04/24/25 16:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/24/25 16:01	1
Xylenes, Total	ND		10	6.0	ug/L			04/24/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*04/24/25 16:01*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/24/25 16:01*	*1*
Toluene-d8 (Surr)	*85*		*64 - 132*		*04/24/25 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.084	ug/L		04/18/25 07:00	04/30/25 16:57	1
Aniline	ND		9.9	0.74	ug/L		04/18/25 07:00	04/30/25 16:57	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzenethiol	ND		9.9	0.60	ug/L		04/18/25 07:00	04/30/25 16:57	1
Anthracene	ND		0.20	0.073	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzoic acid	ND	*+	30	27	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzyl alcohol	ND	*- *1 UJ	9.9	1.8	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/18/25 07:00	04/30/25 16:57	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/18/25 07:00	04/30/25 16:57	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/18/25 07:00	04/30/25 16:57	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		04/18/25 07:00	04/30/25 16:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/18/25 07:00	04/30/25 16:57	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/18/25 07:00	04/30/25 16:57	1
Chrysene	ND		0.20	0.039	ug/L		04/18/25 07:00	04/30/25 16:57	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/18/25 07:00	04/30/25 16:57	1

Client Sample ID: P54-ROX-041125
Date Collected: 04/11/25 10:05
Date Received: 04/12/25 09:45

Lab Sample ID: 400-274171-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**0.040**	**J**	0.20	0.032	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		04/18/25 07:00	04/30/25 16:57	1
Fluorene	ND		0.20	0.086	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Chlorophenol	ND		9.9	0.83	ug/L		04/18/25 07:00	04/30/25 16:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/18/25 07:00	04/30/25 16:57	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/18/25 07:00	04/30/25 16:57	1
Dibenz[a,h]acridine	ND	UJ	9.9	0.69	ug/L		04/18/25 07:00	04/30/25 16:57	1
Dibenzofuran	ND		9.9	0.64	ug/L		04/18/25 07:00	04/30/25 16:57	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/18/25 07:00	04/30/25 16:57	1
Phenanthrene	ND		0.20	0.044	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		04/18/25 07:00	04/30/25 16:57	1
Pyrene	ND		0.20	0.094	ug/L		04/18/25 07:00	04/30/25 16:57	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/18/25 07:00	04/30/25 16:57	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/18/25 07:00	04/30/25 16:57	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/18/25 07:00	04/30/25 16:57	1
1,4-Dioxane	ND		9.9	4.3	ug/L		04/18/25 07:00	04/30/25 16:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		04/18/25 07:00	04/30/25 16:57	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/18/25 07:00	04/30/25 16:57	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/18/25 07:00	04/30/25 16:57	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/18/25 07:00	04/30/25 16:57	1
Indene	ND		9.9	0.44	ug/L		04/18/25 07:00	04/30/25 16:57	1
Isophorone	ND		9.9	0.79	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Methylphenol	ND		9.9	0.75	ug/L		04/18/25 07:00	04/30/25 16:57	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/18/25 07:00	04/30/25 16:57	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Nitroaniline	ND		9.9	3.5	ug/L		04/18/25 07:00	04/30/25 16:57	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/18/25 07:00	04/30/25 16:57	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/18/25 07:00	04/30/25 16:57	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/18/25 07:00	04/30/25 16:57	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		04/18/25 07:00	04/30/25 16:57	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/18/25 07:00	04/30/25 16:57	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/18/25 07:00	04/30/25 16:57	1
Pentachlorophenol	ND		9.9	2.8	ug/L		04/18/25 07:00	04/30/25 16:57	1
Phenol	ND		9.9	0.68	ug/L		04/18/25 07:00	04/30/25 16:57	1
Pyridine	ND	UJ	9.9	0.64	ug/L		04/18/25 07:00	04/30/25 16:57	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		04/18/25 07:00	04/30/25 16:57	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/18/25 07:00	04/30/25 16:57	1

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P54-ROX-041125
Lab Sample ID: 400-274171-3
Date Collected: 04/11/25 10:05
Matrix: Water
Date Received: 04/12/25 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		15 - 150	04/18/25 07:00	04/30/25 16:57	1
Nitrobenzene-d5	107		50 - 150	04/18/25 07:00	04/30/25 16:57	1
Terphenyl-d14	82		43 - 147	04/18/25 07:00	04/30/25 16:57	1
2-Fluorobiphenyl	85		15 - 150	04/18/25 07:00	04/30/25 16:57	1
2-Fluorophenol	16		10 - 150	04/18/25 07:00	04/30/25 16:57	1
Nitrobenzene-d5	107		50 - 150	04/18/25 07:00	04/30/25 16:57	1
Phenol-d5	23		10 - 150	04/18/25 07:00	04/30/25 16:57	1
Terphenyl-d14	82		43 - 147	04/18/25 07:00	04/30/25 16:57	1
2,4,6-Tribromophenol	0	S1-	10 - 150	04/18/25 07:00	04/30/25 16:57	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.033	0.019	ug/L		04/17/25 13:28	04/17/25 17:45	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/17/25 13:28	04/17/25 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		51 - 149	04/17/25 13:28	04/17/25 17:45	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274171-1

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)
400-274171-1	TB-ROX-041125-8260	106	93	111
400-274171-3	P54-ROX-041125	109	91	85
LCS 400-706886/1002	Lab Control Sample	119	104	98
MB 400-706886/4	Method Blank	107	93	100

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274171-3	P54-ROX-041125	85	85	107	107	82	82	16	23
LCS 400-706252/21-A	Lab Control Sample	90	90	112	112	90	90	129	98
LCS 400-706252/2-A	Lab Control Sample	78	78	92	92	73	73	119	116
LCSD 400-706252/22-A	Lab Control Sample Dup	94	94	110	110	91	91	133	88
LCSD 400-706252/3-A	Lab Control Sample Dup	81	81	92	92	69	69	115	120
MB 400-706252/1-A	Method Blank	93	93	110	110	87	87	135	146

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274171-3	P54-ROX-041125	0 S1-
LCS 400-706252/21-A	Lab Control Sample	70
LCS 400-706252/2-A	Lab Control Sample	60
LCSD 400-706252/22-A	Lab Control Sample Dup	75
LCSD 400-706252/3-A	Lab Control Sample Dup	74
MB 400-706252/1-A	Method Blank	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274171-2	TB-ROX-041125-8011	77
400-274171-3	P54-ROX-041125	85
LCS 400-706140/2-A	Lab Control Sample	78
LCSD 400-706140/3-A	Lab Control Sample Dup	87
MB 400-706140/1-A	Method Blank	100

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274171-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041125-8260
Lab Sample ID: 400-274171-1
Date Collected: 04/11/25 00:00
Matrix: Water
Date Received: 04/12/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706886	04/24/25 15:37	WPD	EET PEN

Client Sample ID: TB-ROX-041125-8011
Lab Sample ID: 400-274171-2
Date Collected: 04/11/25 00:00
Matrix: Water
Date Received: 04/12/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			32.8 mL	35 mL	706140	04/17/25 13:28	KR	EET PEN
Total/NA	Analysis	8011		1			706163	04/17/25 17:24	KR	EET PEN

Client Sample ID: P54-ROX-041125
Lab Sample ID: 400-274171-3
Date Collected: 04/11/25 10:05
Matrix: Water
Date Received: 04/12/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	706886	04/24/25 16:01	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707542	04/30/25 16:57	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707543	04/30/25 16:57	JAW	EET PEN
Total/NA	Prep	8011			32.1 mL	35 mL	706140	04/17/25 13:28	KR	EET PEN
Total/NA	Analysis	8011		1			706163	04/17/25 17:45	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706140/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706140	04/17/25 13:28	KR	EET PEN
Total/NA	Analysis	8011		1			706163	04/17/25 16:21	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706252/1-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	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707542	04/30/25 13:21	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707543	04/30/25 13:21	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706886/4
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	706886	04/24/25 07:53	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706140/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706140	04/17/25 13:28	KR	EET PEN
Total/NA	Analysis	8011		1			706163	04/17/25 16:42	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706252/21-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	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707543	04/30/25 14:53	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706252/2-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	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707542	04/30/25 13:51	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707543	04/30/25 13:51	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706886/1002
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	706886	04/24/25 06:57	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706140/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706140	04/17/25 13:28	KR	EET PEN
Total/NA	Analysis	8011		1			706163	04/17/25 17:03	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706252/22-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	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707543	04/30/25 15:24	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706252/3-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	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707542	04/30/25 14:22	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706252	04/18/25 07:00	RAW	EET PEN
Total/NA	Analysis	8270E		1			707543	04/30/25 14:22	JAW	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-274171-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 706886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-1	TB-ROX-041125-8260	Total/NA	Water	8260D	
400-274171-3	P54-ROX-041125	Total/NA	Water	8260D	
MB 400-706886/4	Method Blank	Total/NA	Water	8260D	
LCS 400-706886/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-3	P54-ROX-041125	Total/NA	Water	3511	
MB 400-706252/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706252/21-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706252/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706252/22-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706252/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-3	P54-ROX-041125	Total/NA	Water	8270E	706252
MB 400-706252/1-A	Method Blank	Total/NA	Water	8270E	706252
LCS 400-706252/2-A	Lab Control Sample	Total/NA	Water	8270E	706252
LCSD 400-706252/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706252

Analysis Batch: 707543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-3	P54-ROX-041125	Total/NA	Water	8270E	706252
MB 400-706252/1-A	Method Blank	Total/NA	Water	8270E	706252
LCS 400-706252/21-A	Lab Control Sample	Total/NA	Water	8270E	706252
LCS 400-706252/2-A	Lab Control Sample	Total/NA	Water	8270E	706252
LCSD 400-706252/22-A	Lab Control Sample Dup	Total/NA	Water	8270E	706252
LCSD 400-706252/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706252

GC Semi VOA

Prep Batch: 706140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-2	TB-ROX-041125-8011	Total/NA	Water	8011	
400-274171-3	P54-ROX-041125	Total/NA	Water	8011	
MB 400-706140/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706140/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706140/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 706163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274171-2	TB-ROX-041125-8011	Total/NA	Water	8011	706140
400-274171-3	P54-ROX-041125	Total/NA	Water	8011	706140
MB 400-706140/1-A	Method Blank	Total/NA	Water	8011	706140
LCS 400-706140/2-A	Lab Control Sample	Total/NA	Water	8011	706140
LCSD 400-706140/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706140

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

Lab Sample ID: MB 400-706886/4
Matrix: Water
Analysis Batch: 706886

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/24/25 07:53	1
Acrolein	ND		20	3.3	ug/L			04/24/25 07:53	1
Acrylonitrile	ND		10	2.8	ug/L			04/24/25 07:53	1
Benzene	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Bromobenzene	ND		1.0	0.54	ug/L			04/24/25 07:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/24/25 07:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Bromoform	ND		5.0	0.25	ug/L			04/24/25 07:53	1
Bromomethane	ND		1.0	0.98	ug/L			04/24/25 07:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/24/25 07:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/24/25 07:53	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/24/25 07:53	1
Chloroethane	ND		1.0	0.76	ug/L			04/24/25 07:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/24/25 07:53	1
Chloroform	ND		1.0	0.90	ug/L			04/24/25 07:53	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/24/25 07:53	1
Chloromethane	ND		1.0	0.40	ug/L			04/24/25 07:53	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/25 07:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/25 07:53	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/24/25 07:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/24/25 07:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/24/25 07:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/24/25 07:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/24/25 07:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/24/25 07:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 07:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/24/25 07:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/24/25 07:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/24/25 07:53	1
2-Hexanone	ND		25	4.3	ug/L			04/24/25 07:53	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/24/25 07:53	1
Methylene bromide	ND		5.0	0.22	ug/L			04/24/25 07:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/24/25 07:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/24/25 07:53	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/24/25 07:53	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/24/25 07:53	1
Naphthalene	ND		5.0	3.0	ug/L			04/24/25 07:53	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/24/25 07:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/24/25 07:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/24/25 07:53	1
o-Xylene	ND		5.0	3.0	ug/L			04/24/25 07:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/24/25 07:53	1

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

Lab Sample ID: MB 400-706886/4
Matrix: Water
Analysis Batch: 706886

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/24/25 07:53	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/24/25 07:53	1
Styrene	ND		1.0	1.0	ug/L			04/24/25 07:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/24/25 07:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/24/25 07:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/24/25 07:53	1
Toluene	ND		1.0	0.90	ug/L			04/24/25 07:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/25 07:53	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/24/25 07:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/24/25 07:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/24/25 07:53	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/24/25 07:53	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/24/25 07:53	1
Trichloroethene	ND		1.0	0.15	ug/L			04/24/25 07:53	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/24/25 07:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/24/25 07:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/24/25 07:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/24/25 07:53	1
Vinyl acetate	ND		25	0.93	ug/L			04/24/25 07:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/24/25 07:53	1
Xylenes, Total	ND		10	6.0	ug/L			04/24/25 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/24/25 07:53*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/24/25 07:53*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/24/25 07:53*	*1*

Lab Sample ID: LCS 400-706886/1002
Matrix: Water
Analysis Batch: 706886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	222		ug/L		111	43 - 150
Acrolein	500	536		ug/L		107	38 - 150
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	45.2		ug/L		90	70 - 130
Bromobenzene	50.0	50.0		ug/L		100	70 - 132
Bromochloromethane	50.0	46.8		ug/L		94	70 - 130
Bromodichloromethane	50.0	44.5		ug/L		89	67 - 133
Bromoform	50.0	41.3		ug/L		83	57 - 140
Bromomethane	50.0	53.7		ug/L		107	10 - 150
2-Butanone (MEK)	200	166		ug/L		83	61 - 145
Carbon disulfide	50.0	51.5		ug/L		103	61 - 137
Carbon tetrachloride	50.0	42.5		ug/L		85	61 - 137
Chlorobenzene	50.0	47.3		ug/L		95	70 - 130
Chloroethane	50.0	60.8		ug/L		122	55 - 141
2-Chloroethyl vinyl ether	50.0	43.6		ug/L		87	10 - 150

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

Lab Sample ID: LCS 400-706886/1002
Matrix: Water
Analysis Batch: 706886

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	47.8		ug/L		96	69 - 130
Chloromethane	50.0	56.0		ug/L		112	58 - 137
cis-1,2-Dichloroethene	50.0	42.7		ug/L		85	68 - 130
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	69 - 132
Dibromochloromethane	50.0	42.0		ug/L		84	67 - 135
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 130
Dichlorodifluoromethane	50.0	41.2		ug/L		82	41 - 146
1,1-Dichloroethane	50.0	47.6		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	38.3		ug/L		77	69 - 130
1,1-Dichloroethene	50.0	54.5		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	44.9		ug/L		90	70 - 130
1,3-Dichloropropane	50.0	46.5		ug/L		93	70 - 130
2,2-Dichloropropane	50.0	41.6		ug/L		83	52 - 135
1,1-Dichloropropene	50.0	45.5		ug/L		91	70 - 130
Ethylbenzene	50.0	46.4		ug/L		93	70 - 130
Ethyl methacrylate	50.0	49.3		ug/L		99	68 - 130
Hexachlorobutadiene	50.0	45.8		ug/L		92	53 - 140
2-Hexanone	200	184		ug/L		92	65 - 137
Isopropylbenzene	50.0	46.6		ug/L		93	70 - 130
Methylene bromide	50.0	42.5		ug/L		85	70 - 130
Methylene Chloride	50.0	51.9		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	163		ug/L		82	69 - 138
Methyl tert-butyl ether	50.0	48.3		ug/L		97	66 - 130
m-Xylene & p-Xylene	50.0	45.1		ug/L		90	70 - 130
Naphthalene	50.0	37.6		ug/L		75	47 - 149
n-Butylbenzene	50.0	54.7		ug/L		109	67 - 130
N-Propylbenzene	50.0	54.9		ug/L		110	70 - 130
o-Chlorotoluene	50.0	53.5		ug/L		107	70 - 130
o-Xylene	50.0	45.6		ug/L		91	70 - 130
p-Chlorotoluene	50.0	51.2		ug/L		102	70 - 130
p-Isopropyltoluene	50.0	52.2		ug/L		104	65 - 130
sec-Butylbenzene	50.0	52.8		ug/L		106	66 - 130
Styrene	50.0	44.2		ug/L		88	70 - 130
tert-Butylbenzene	50.0	51.3		ug/L		103	64 - 139
1,1,1,2-Tetrachloroethane	50.0	43.5		ug/L		87	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.7		ug/L		105	70 - 131
Tetrachloroethene	50.0	43.8		ug/L		88	65 - 130
Toluene	50.0	45.2		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	38.6		ug/L		77	60 - 138
1,2,4-Trichlorobenzene	50.0	41.3		ug/L		83	60 - 140
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	68 - 130
1,1,2-Trichloroethane	50.0	48.3		ug/L		97	70 - 130
Trichloroethene	50.0	45.2		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	57.4		ug/L		115	65 - 138

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

Lab Sample ID: LCS 400-706886/1002
Matrix: Water
Analysis Batch: 706886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	51.9		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	52.5		ug/L		105	69 - 130
Vinyl acetate	100	109		ug/L		109	26 - 150
Vinyl chloride	50.0	51.5		ug/L		103	59 - 136
Xylenes, Total	100	90.7		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*119*		*56 - 136*
Dibromofluoromethane	*104*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

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

Lab Sample ID: MB 400-706252/1-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/18/25 07:00	04/30/25 13:21	1
Aniline	ND		10	0.74	ug/L		04/18/25 07:00	04/30/25 13:21	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzenethiol	ND		10	0.60	ug/L		04/18/25 07:00	04/30/25 13:21	1
Anthracene	ND		0.20	0.073	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzoic acid	ND		30	27	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzyl alcohol	ND		10	1.9	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/18/25 07:00	04/30/25 13:21	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/18/25 07:00	04/30/25 13:21	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/18/25 07:00	04/30/25 13:21	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/18/25 07:00	04/30/25 13:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/18/25 07:00	04/30/25 13:21	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/18/25 07:00	04/30/25 13:21	1
Chrysene	ND		0.20	0.039	ug/L		04/18/25 07:00	04/30/25 13:21	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Chloroaniline	ND		10	0.28	ug/L		04/18/25 07:00	04/30/25 13:21	1
Fluoranthene	ND		0.20	0.032	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/18/25 07:00	04/30/25 13:21	1
Fluorene	ND		0.20	0.087	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Chlorophenol	ND		10	0.84	ug/L		04/18/25 07:00	04/30/25 13:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/18/25 07:00	04/30/25 13:21	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/18/25 07:00	04/30/25 13:21	1

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

Lab Sample ID: MB 400-706252/1-A
Matrix: Water
Analysis Batch: 707543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/18/25 07:00	04/30/25 13:21	1
Dibenzofuran	ND		10	0.64	ug/L		04/18/25 07:00	04/30/25 13:21	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/18/25 07:00	04/30/25 13:21	1
Phenanthrene	ND		0.20	0.044	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/18/25 07:00	04/30/25 13:21	1
Pyrene	ND		0.20	0.095	ug/L		04/18/25 07:00	04/30/25 13:21	1
Diethyl phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/18/25 07:00	04/30/25 13:21	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/18/25 07:00	04/30/25 13:21	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/18/25 07:00	04/30/25 13:21	1
1,4-Dioxane	ND		10	4.3	ug/L		04/18/25 07:00	04/30/25 13:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/18/25 07:00	04/30/25 13:21	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/18/25 07:00	04/30/25 13:21	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/18/25 07:00	04/30/25 13:21	1
Hexachloroethane	ND		10	0.53	ug/L		04/18/25 07:00	04/30/25 13:21	1
Indene	ND		10	0.44	ug/L		04/18/25 07:00	04/30/25 13:21	1
Isophorone	ND		10	0.80	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Methylphenol	ND		10	0.76	ug/L		04/18/25 07:00	04/30/25 13:21	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Nitroaniline	ND		10	1.4	ug/L		04/18/25 07:00	04/30/25 13:21	1
3-Nitroaniline	ND		10	0.95	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Nitroaniline	ND		10	3.5	ug/L		04/18/25 07:00	04/30/25 13:21	1
Nitrobenzene	ND		10	0.60	ug/L		04/18/25 07:00	04/30/25 13:21	1
2-Nitrophenol	ND		10	1.2	ug/L		04/18/25 07:00	04/30/25 13:21	1
4-Nitrophenol	ND		10	2.7	ug/L		04/18/25 07:00	04/30/25 13:21	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/18/25 07:00	04/30/25 13:21	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/18/25 07:00	04/30/25 13:21	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/18/25 07:00	04/30/25 13:21	1
Pentachlorophenol	ND		10	2.8	ug/L		04/18/25 07:00	04/30/25 13:21	1
Phenol	ND		10	0.68	ug/L		04/18/25 07:00	04/30/25 13:21	1
Pyridine	ND		10	0.64	ug/L		04/18/25 07:00	04/30/25 13:21	1
Quinoline	ND		10	0.50	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/18/25 07:00	04/30/25 13:21	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/18/25 07:00	04/30/25 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 150*	*04/18/25 07:00*	*04/30/25 13:21*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*04/18/25 07:00*	*04/30/25 13:21*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/18/25 07:00*	*04/30/25 13:21*	*1*
2-Fluorobiphenyl	*93*		*15 - 150*	*04/18/25 07:00*	*04/30/25 13:21*	*1*
2-Fluorophenol	*135*		*10 - 150*	*04/18/25 07:00*	*04/30/25 13:21*	*1*
Nitrobenzene-d5	*110*		*50 - 150*	*04/18/25 07:00*	*04/30/25 13:21*	*1*

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

Lab Sample ID: MB 400-706252/1-A
Matrix: Water
Analysis Batch: 707543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706252

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	146		10 - 150	04/18/25 07:00	04/30/25 13:21	1
Terphenyl-d14	87		43 - 147	04/18/25 07:00	04/30/25 13:21	1
2,4,6-Tribromophenol	63		10 - 150	04/18/25 07:00	04/30/25 13:21	1

Lab Sample ID: LCS 400-706252/21-A
Matrix: Water
Analysis Batch: 707543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	16.5		ug/L		33	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	90		15 - 150
2-Fluorophenol	129		10 - 150
Nitrobenzene-d5	112		50 - 150
Phenol-d5	98		10 - 150
Terphenyl-d14	90		43 - 147
2,4,6-Tribromophenol	70		10 - 150

Lab Sample ID: LCS 400-706252/2-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	15.4		ug/L		61	44 - 122
Aniline	25.0	3.76	J	ug/L		15	10 - 150
Acenaphthylene	25.0	16.0		ug/L		64	42 - 125
Anthracene	25.0	17.4		ug/L		70	51 - 136
Benzoic acid	214	433	E *+	ug/L		202	10 - 180
Benzo[a]anthracene	25.0	18.6		ug/L		74	50 - 138
Benzo[a]pyrene	25.0	17.6		ug/L		70	53 - 134
Bis(2-chloroethoxy)methane	25.0	22.3		ug/L		89	60 - 123
Benzo[b]fluoranthene	25.0	18.8		ug/L		75	50 - 134
Bis(2-chloroethyl)ether	25.0	17.7		ug/L		71	45 - 127
Benzo[g,h,i]perylene	25.0	17.5		ug/L		70	42 - 138
bis (2-chloroisopropyl) ether	25.0	17.2		ug/L		69	10 - 150
Benzo[k]fluoranthene	25.0	16.9		ug/L		68	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	21.8		ug/L		87	10 - 147
4-Bromophenyl phenyl ether	25.0	16.0		ug/L		64	50 - 126
Chrysene	25.0	17.7		ug/L		71	53 - 141
Butyl benzyl phthalate	25.0	22.2		ug/L		89	36 - 137
Dibenz(a,h)anthracene	25.0	17.8		ug/L		71	41 - 139
4-Chloroaniline	25.0	7.16	J	ug/L		29	10 - 150
Fluoranthene	25.0	17.2		ug/L		69	49 - 141
4-Chloro-3-methylphenol	25.0	20.6		ug/L		82	14 - 150
Fluorene	25.0	16.9		ug/L		67	41 - 136
2-Chloronaphthalene	25.0	17.1		ug/L		68	44 - 122
2-Chlorophenol	25.0	21.8		ug/L		87	10 - 150

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

Lab Sample ID: LCS 400-706252/2-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	25.0	17.9		ug/L		71	30 - 150
1-Methylnaphthalene	25.0	16.7		ug/L		67	36 - 117
4-Chlorophenyl phenyl ether	25.0	15.2		ug/L		61	51 - 125
2-Methylnaphthalene	25.0	17.1		ug/L		69	31 - 115
Dibenz[a,h]acridine	49.9	38.3		ug/L		77	50 - 150
Dibenzofuran	25.0	17.5		ug/L		70	55 - 125
3,3'-Dichlorobenzidine	33.3	19.8		ug/L		59	10 - 150
Phenanthrene	25.0	17.0		ug/L		68	50 - 133
2,4-Dichlorophenol	25.0	22.5		ug/L		90	11 - 150
Pyrene	25.0	17.2		ug/L		69	46 - 149
Diethyl phthalate	25.0	18.7		ug/L		75	61 - 130
2,4-Dimethylphenol	25.0	18.5		ug/L		74	5 - 150
Dimethyl phthalate	25.0	17.6		ug/L		70	55 - 139
Di-n-butyl phthalate	25.0	18.6		ug/L		74	50 - 150
4,6-Dinitro-ortho-cresol	50.0	62.4		ug/L		125	10 - 150
2,4-Dinitrophenol	50.0	67.3		ug/L		135	10 - 150
2,4-Dinitrotoluene	25.0	21.5		ug/L		86	46 - 137
2,6-Dinitrotoluene	25.0	23.8		ug/L		95	35 - 150
Di-n-octyl phthalate	25.0	24.3		ug/L		97	10 - 150
1,4-Dioxane	25.0	16.7		ug/L		67	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.0	I	ug/L		68	49 - 125
Hexachlorobenzene	25.0	17.1		ug/L		69	53 - 126
Hexachlorocyclopentadiene	25.0	23.2		ug/L		93	10 - 150
Hexachloroethane	25.0	15.3		ug/L		61	10 - 112
Indene	50.0	31.5		ug/L		63	50 - 150
Isophorone	25.0	17.3		ug/L		69	51 - 125
2-Methylphenol	25.0	16.7		ug/L		67	42 - 120
3 & 4 Methylphenol	25.0	22.8		ug/L		91	10 - 150
2-Nitroaniline	25.0	23.3		ug/L		93	10 - 150
3-Nitroaniline	25.0	23.9		ug/L		95	10 - 150
4-Nitroaniline	25.0	28.0		ug/L		112	10 - 144
Nitrobenzene	25.0	19.3		ug/L		77	57 - 138
2-Nitrophenol	25.0	29.2		ug/L		117	21 - 150
4-Nitrophenol	50.0	47.0		ug/L		94	10 - 150
N-Nitrosodimethylamine	25.0	17.7		ug/L		71	10 - 136
N-Nitrosodi-n-propylamine	25.0	19.3		ug/L		77	53 - 134
N-Nitrosodiphenylamine	24.8	17.6		ug/L		71	62 - 132
Pentachlorophenol	50.0	54.0		ug/L		108	16 - 150
Phenol	25.0	28.2		ug/L		113	10 - 150
Pyridine	50.0	12.1		ug/L		24	10 - 150
Quinoline	49.9	22.1	*-	ug/L		44	50 - 150
2,4,5-Trichlorophenol	25.0	24.4		ug/L		98	10 - 150
2,4,6-Trichlorophenol	25.0	18.9		ug/L		75	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 150*
Nitrobenzene-d5	*92*		*50 - 150*

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

Lab Sample ID: LCS 400-706252/2-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706252

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*43 - 147*
2-Fluorobiphenyl	*78*		*15 - 150*
2-Fluorophenol	*119*		*10 - 150*
Nitrobenzene-d5	*92*		*50 - 150*
Phenol-d5	*116*		*10 - 150*
Terphenyl-d14	*73*		*43 - 147*
2,4,6-Tribromophenol	*60*		*10 - 150*

Lab Sample ID: LCSD 400-706252/22-A
Matrix: Water
Analysis Batch: 707543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	12.2		ug/L		24	10 - 150	30	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*15 - 150*
2-Fluorophenol	*133*		*10 - 150*
Nitrobenzene-d5	*110*		*50 - 150*
Phenol-d5	*88*		*10 - 150*
Terphenyl-d14	*91*		*43 - 147*
2,4,6-Tribromophenol	*75*		*10 - 150*

Lab Sample ID: LCSD 400-706252/3-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706252

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	15.7		ug/L		63	44 - 122	2	40
Aniline			25.0	4.37	J	ug/L		17	10 - 150	15	40
Acenaphthylene			25.0	16.1		ug/L		64	42 - 125	1	40
Anthracene			25.0	17.7		ug/L		71	51 - 136	2	40
Benzoic acid			214	388	E *+	ug/L		181	10 - 180	11	40
Benzo[a]anthracene			25.0	18.1		ug/L		72	50 - 138	3	40
Benzo[a]pyrene			25.0	17.6		ug/L		70	53 - 134	0	40
Bis(2-chloroethoxy)methane			25.0	22.3		ug/L		89	60 - 123	0	40
Benzo[b]fluoranthene			25.0	18.7		ug/L		75	50 - 134	1	40
Bis(2-chloroethyl)ether			25.0	18.0		ug/L		72	45 - 127	2	40
Benzo[g,h,i]perylene			25.0	17.3		ug/L		69	42 - 138	1	40
bis (2-chloroisopropyl) ether			25.0	17.4		ug/L		70	10 - 150	1	40
Benzo[k]fluoranthene			25.0	17.3		ug/L		69	55 - 136	2	40
Bis(2-ethylhexyl) phthalate			25.0	21.0		ug/L		84	10 - 147	4	40
4-Bromophenyl phenyl ether			25.0	16.2		ug/L		65	50 - 126	1	40
Chrysene			25.0	17.1		ug/L		68	53 - 141	3	40
Butyl benzyl phthalate			25.0	20.6		ug/L		82	36 - 137	8	40
Dibenz(a,h)anthracene			25.0	17.8		ug/L		71	41 - 139	0	40
4-Chloroaniline			25.0	10.2		ug/L		41	10 - 150	35	40
Fluoranthene			25.0	17.6		ug/L		70	49 - 141	2	40

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

Lab Sample ID: LCSD 400-706252/3-A
Matrix: Water
Analysis Batch: 707543

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706252

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	25.0	22.2		ug/L		89	14 - 150	7	40
Fluorene	25.0	17.0		ug/L		68	41 - 136	1	40
2-Chloronaphthalene	25.0	17.1		ug/L		68	44 - 122	0	40
2-Chlorophenol	25.0	20.4		ug/L		82	10 - 150	7	40
Indeno[1,2,3-cd]pyrene	25.0	17.8		ug/L		71	30 - 150	0	40
1-Methylnaphthalene	25.0	17.1		ug/L		68	36 - 117	2	40
4-Chlorophenyl phenyl ether	25.0	15.4		ug/L		62	51 - 125	2	40
2-Methylnaphthalene	25.0	17.4		ug/L		70	31 - 115	1	40
Dibenz[a,h]acridine	49.9	36.5		ug/L		73	50 - 150	5	40
Dibenzofuran	25.0	17.9		ug/L		72	55 - 125	2	40
3,3'-Dichlorobenzidine	33.3	19.7		ug/L		59	10 - 150	0	40
Phenanthrene	25.0	17.4		ug/L		70	50 - 133	2	40
2,4-Dichlorophenol	25.0	20.6		ug/L		82	11 - 150	9	40
Pyrene	25.0	17.9		ug/L		71	46 - 149	4	40
Diethyl phthalate	25.0	18.4		ug/L		74	61 - 130	1	40
2,4-Dimethylphenol	25.0	16.4		ug/L		66	5 - 150	12	40
Dimethyl phthalate	25.0	16.9		ug/L		68	55 - 139	4	40
Di-n-butyl phthalate	25.0	18.7		ug/L		75	50 - 150	1	40
4,6-Dinitro-ortho-cresol	50.0	61.1		ug/L		122	10 - 150	2	40
2,4-Dinitrophenol	50.0	65.5		ug/L		131	10 - 150	3	40
2,4-Dinitrotoluene	25.0	22.1		ug/L		88	46 - 137	3	40
2,6-Dinitrotoluene	25.0	24.5		ug/L		98	35 - 150	3	40
Di-n-octyl phthalate	25.0	23.6		ug/L		94	10 - 150	3	40
1,4-Dioxane	25.0	16.8		ug/L		67	10 - 137	0	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.6	I	ug/L		70	49 - 125	3	40
Hexachlorobenzene	25.0	17.1		ug/L		68	53 - 126	0	40
Hexachlorocyclopentadiene	25.0	22.5		ug/L		90	10 - 150	3	40
Hexachloroethane	25.0	14.7		ug/L		59	10 - 112	4	40
Indene	50.0	29.9		ug/L		60	50 - 150	5	40
Isophorone	25.0	17.5		ug/L		70	51 - 125	1	40
2-Methylphenol	25.0	16.6		ug/L		66	42 - 120	1	40
3 & 4 Methylphenol	25.0	19.0	J I	ug/L		76	10 - 150	18	40
2-Nitroaniline	25.0	24.2		ug/L		97	10 - 150	4	40
3-Nitroaniline	25.0	25.0		ug/L		100	10 - 150	5	40
4-Nitroaniline	25.0	29.2		ug/L		117	10 - 144	4	40
Nitrobenzene	25.0	19.5		ug/L		78	57 - 138	1	40
2-Nitrophenol	25.0	28.2		ug/L		113	21 - 150	4	40
4-Nitrophenol	50.0	36.1		ug/L		72	10 - 150	26	40
N-Nitrosodimethylamine	25.0	17.9		ug/L		71	10 - 136	1	40
N-Nitrosodi-n-propylamine	25.0	19.5		ug/L		78	53 - 134	1	40
N-Nitrosodiphenylamine	24.8	18.2		ug/L		73	62 - 132	3	40
Pentachlorophenol	50.0	51.9		ug/L		104	16 - 150	4	40
Phenol	25.0	26.1		ug/L		104	10 - 150	8	40
Pyridine	50.0	14.4		ug/L		29	10 - 150	17	40
Quinoline	49.9	22.1	*-	ug/L		44	50 - 150	0	40
2,4,5-Trichlorophenol	25.0	22.1		ug/L		88	10 - 150	10	40
2,4,6-Trichlorophenol	25.0	18.1		ug/L		72	50 - 150	4	40

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

Lab Sample ID: LCSD 400-706252/3-A
Matrix: Water
Analysis Batch: 707542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706252

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	81		15 - 150
Nitrobenzene-d5	92		50 - 150
Terphenyl-d14	69		43 - 147
2-Fluorobiphenyl	81		15 - 150
2-Fluorophenol	115		10 - 150
Nitrobenzene-d5	92		50 - 150
Phenol-d5	120		10 - 150
Terphenyl-d14	69		43 - 147
2,4,6-Tribromophenol	74		10 - 150

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706140/1-A
Matrix: Water
Analysis Batch: 706163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/17/25 13:28	04/17/25 16:21	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/17/25 13:28	04/17/25 16:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		51 - 149	04/17/25 13:28	04/17/25 16:21	1

Lab Sample ID: LCS 400-706140/2-A
Matrix: Water
Analysis Batch: 706163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706140

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0763		ug/L		76	60 - 140		
1,2-Dibromoethane			0.100	0.0940		ug/L		94	60 - 140		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	78		51 - 149

Lab Sample ID: LCSD 400-706140/3-A
Matrix: Water
Analysis Batch: 706163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706140

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0844		ug/L		84	60 - 140	10	30
1,2-Dibromoethane			0.100	0.0946		ug/L		94	60 - 140	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	87		51 - 149

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/11/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of __1__
60738191 – 3.2.2	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 – 3.2.2	
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	E-MAIL: melissa.remiger@aecom.com
AECOM Other ID: Roxana 2Q25 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 – 3.2.2

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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041125-8260	4/11/2025	0000	Water	2					2	X			
	TB-ROX-041125-8011	4/11/2025	0000	Water	2					2		X		
	P54-ROX-041125	4/11/2025	1005	Water	6			4		10	X	X	X	X

041125

400-274171 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 4234 9601 3640, 4234 9601 3639, 4234 9601 3628	4/11/2025	1600
		4/11/25	9:45

Version: 19Sept24

CUSTODY SEALS: 2779048, 2779049, 2779044, 2779045, 2779047, 2779046

0.0 C 1.2 C IR8

5/2/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274171-1

Login Number: 274171
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, 1.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274171-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274263-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/15/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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		
All SVOCs in sample MW24-ROX-041425 were re-extracted 18 days outside of extraction time criteria (7 days) and then re-analyzed due to no, or low, quality control surrogate recoveries in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in samples MW24-ROX-041425 were reported from the primary run due to gross holding time exceedances in the secondary run.					
Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW24-ROX-041425	SVOCs	2-Fluorophenol	**1**	10-150
MW24-ROX-041425	SVOCs	Phenol-d5	**3**	10-150
MW24-ROX-041425	SVOCs	2,4,6-Tribromophenol	**9**	10-150

Professional judgement was used to qualify as estimated, however, not reject the SVOCs results associated with sample MW24-ROX-041425 due to poor surrogate recoveries. All acidic SVOCs in sample MW24-ROX-041425 were qualified as estimated (UJ).

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		

Stage 2A Validation

Item Reviewed	Acceptable Criteria	Quality Condition			Comments
		Pass	Fail[1]	N/A	

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-706387/2-A LCSD 400-706387/3-A	SVOCs	2,4-Dimethylphenol	**3/3**	24	5–150/40
LCS 400-706387/2-A LCSD 400-706387/3-A	SVOCs	Quinoline	**38/49**	26	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. Equipment blanks are quality control samples and do not require data qualification.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
MW13-ROX-041425	SVOCs	2,4-Dimethylphenol	**UJ**
P114R-ROX-041425	SVOCs	2,4-Dimethylphenol	**UJ**
MW1-ROX-041425	SVOCs	2,4-Dimethylphenol	**UJ**
MW13-ROX-041425	SVOCs	Quinoline	**UJ**
P114R-ROX-041425	SVOCs	Quinoline	**UJ**
MW24-ROX-041425	SVOCs	Quinoline	**UJ**
MW1-ROX-041425	SVOCs	Quinoline	**UJ**

2,4-Dimethylphenol in sample MW24-ROX-041425 was previously qualified due to surrogates outside evaluation criteria; no further qualification was required.

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			No dilutions were necessary.
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 continuous calibration verifications (CCVs) for 1,2,3-trichlorobenzene were outside evaluation criteria, biased low.					

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

Method 8270E (SVOCs)

The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low. Benzyl alcohol, phenol and 2-methylphenol in sample MW24-ROX-041425 were previously qualified due to surrogate recoveries outside evaluation criteria; no further qualification is required.

Method 8011 (VOCs)

The continuous calibration verifications (CCVs) for 1,2-dibromo-3-chloropropane was outside evaluation criteria, biased low.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW13-ROX-041425	VOCs	1,2,3-Trichlorobenzene	**UJ**
P114R-ROX-041425	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW24-ROX-041425	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW1-ROX-041425	VOCs	1,2,3-Trichlorobenzene	**UJ**
MW13-ROX-041425	SVOCs	Phenol	**UJ**
P114R-ROX-041425	SVOCs	Phenol	**UJ**
MW1-ROX-041425	SVOCs	Phenol	**UJ**
MW13-ROX-041425	SVOCs	2-Methylphenol	**UJ**
P114R-ROX-041425	SVOCs	2-Methylphenol	**UJ**
MW1-ROX-041425	SVOCs	2-Methylphenol	**UJ**
MW13-ROX-041425	SVOCs	Benzyl alcohol	**UJ**
P114R-ROX-041425	SVOCs	Benzyl alcohol	**UJ**
MW1-ROX-041425	SVOCs	Benzyl alcohol	**UJ**
MW13-ROX-041425	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
P114R-ROX-041425	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
MW24-ROX-041425	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
MW1-ROX-041425	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**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			X	

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/14/2025 1:01:55 PM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274263-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

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
400-274263-1

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 4/15/2025 9:46 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 4.9°C and 5.1°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707040 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene. 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-041425-8260 (400-274263-1), MW13-ROX-041425 (400-274263-3), P114R-ROX-041425 (400-274263-4), MW24-ROX-041425-EB (400-274263-5), MW24-ROX-041425 (400-274263-6) and MW1-ROX-041425 (400-274263-7). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound 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_QQQ: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-706387 and analytical batch 400-707859: 2,4-Dimethylphenol and Quinoline. 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 400-707859 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate, Hexachlorocyclopentadiene and Pentachlorophenol. 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 400-707859 recovered outside acceptance criteria, low biased, for Benzyl alcohol, Phenol and 2-Methylphenol . 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: Surrogate recovery for the following sample was outside control limits: MW24-ROX-041425 (400-274263-6). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits. Both sets of data are reported.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706242 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-274263-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274263-1	TB-ROX-041425-8260	Water	04/14/25 00:00	04/15/25 09:46
400-274263-2	TB-ROX-041425-8011	Water	04/14/25 00:00	04/15/25 09:46
400-274263-3	MW13-ROX-041425	Water	04/14/25 09:45	04/15/25 09:46
400-274263-4	P114R-ROX-041425	Water	04/14/25 10:50	04/15/25 09:46
400-274263-5	MW24-ROX-041425-EB	Water	04/14/25 12:15	04/15/25 09:46
400-274263-6	MW24-ROX-041425	Water	04/14/25 13:10	04/15/25 09:46
400-274263-7	MW1-ROX-041425	Water	04/14/25 14:00	04/15/25 09:46

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: TB-ROX-041425-8260 — Lab Sample ID: 400-274263-1

No Detections.

Client Sample ID: TB-ROX-041425-8011 — Lab Sample ID: 400-274263-2

No Detections.

Client Sample ID: MW13-ROX-041425 — Lab Sample ID: 400-274263-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.93	J	1.0	0.22	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.098	J	10	0.070	ug/L	1		8270E	Total/NA

Client Sample ID: P114R-ROX-041425 — Lab Sample ID: 400-274263-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.61	J	1.0	0.22	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.21	J	9.7	0.068	ug/L	1		8270E	Total/NA

Client Sample ID: MW24-ROX-041425-EB — Lab Sample ID: 400-274263-5

No Detections.

Client Sample ID: MW24-ROX-041425 — Lab Sample ID: 400-274263-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.9		1.0	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: MW1-ROX-041425 — Lab Sample ID: 400-274263-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.60	J	1.0	0.22	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.19	J	9.9	0.070	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: TB-ROX-041425-8260
Date Collected: 04/14/25 00:00
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-1
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			04/25/25 14:45	1
Acrolein	ND		20	3.3	ug/L			04/25/25 14:45	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 14:45	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 14:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 14:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 14:45	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 14:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 14:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 14:45	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 14:45	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 14:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 14:45	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 14:45	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 14:45	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 14:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 14:45	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 14:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 14:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 14:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 14:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 14:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 14:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 14:45	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 14:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 14:45	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 14:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 14:45	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/25/25 14:45	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 14:45	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 14:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 14:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 14:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 14:45	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 14:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 14:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 14:45	1

Client: AECOM
Job ID: 400-274263-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041425-8260
Lab Sample ID: 400-274263-1
Date Collected: 04/14/25 00:00
Matrix: Water
Date Received: 04/15/25 09:46

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			04/25/25 14:45	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 14:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 14:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 14:45	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 14:45	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 14:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/25/25 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 14:45	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 14:45	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 14:45	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 14:45	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 14:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 14:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 14:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 14:45	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 14:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 14:45	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*56 - 136*		*04/25/25 14:45*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/25/25 14:45*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*04/25/25 14:45*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: TB-ROX-041425-8011
Date Collected: 04/14/25 00:00
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.034	0.019	ug/L		04/18/25 07:35	04/18/25 14:38	1
1,2-Dibromoethane	ND		0.023	0.017	ug/L		04/18/25 07:35	04/18/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*04/18/25 07:35*	*04/18/25 14:38*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW13-ROX-041425
Date Collected: 04/14/25 09:45
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-3
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			04/25/25 15:09	1
Acrolein	ND		20	3.3	ug/L			04/25/25 15:09	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 15:09	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 15:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 15:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 15:09	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 15:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 15:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 15:09	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 15:09	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 15:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 15:09	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 15:09	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 15:09	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 15:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 15:09	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 15:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 15:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 15:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 15:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 15:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 15:09	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 15:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 15:09	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 15:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 15:09	1
Methyl tert-butyl ether	**0.93**	**J**	1.0	0.22	ug/L			04/25/25 15:09	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:09	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 15:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 15:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 15:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 15:09	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 15:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 15:09	1

Client Sample ID: MW13-ROX-041425
Date Collected: 04/14/25 09:45
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-3
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			04/25/25 15:09	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 15:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 15:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 15:09	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:09	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 15:09	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/25/25 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 15:09	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 15:09	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 15:09	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 15:09	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 15:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 15:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 15:09	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 15:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 15:09	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/25/25 15:09*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/25/25 15:09*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/25/25 15:09*	*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		04/19/25 11:54	05/02/25 22:00	1
Aniline	ND		10	0.74	ug/L		04/19/25 11:54	05/02/25 22:00	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzenethiol	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 22:00	1
Anthracene	ND		0.20	0.073	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzoic acid	ND		30	27	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzyl alcohol	ND	UJ	10	1.8	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/19/25 11:54	05/02/25 22:00	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/19/25 11:54	05/02/25 22:00	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/19/25 11:54	05/02/25 22:00	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/19/25 11:54	05/02/25 22:00	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 22:00	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/19/25 11:54	05/02/25 22:00	1
Chrysene	ND		0.20	0.039	ug/L		04/19/25 11:54	05/02/25 22:00	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Chloroaniline	ND		10	0.28	ug/L		04/19/25 11:54	05/02/25 22:00	1

Client Sample ID: MW13-ROX-041425
Date Collected: 04/14/25 09:45
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/19/25 11:54	05/02/25 22:00	1
Fluorene	ND		0.20	0.087	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Chlorophenol	ND		10	0.22	ug/L		04/19/25 11:54	05/02/25 22:00	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 22:00	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/19/25 11:54	05/02/25 22:00	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/19/25 11:54	05/02/25 22:00	1
Dibenzofuran	ND		10	0.15	ug/L		04/19/25 11:54	05/02/25 22:00	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/19/25 11:54	05/02/25 22:00	1
Phenanthrene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/19/25 11:54	05/02/25 22:00	1
Pyrene	ND		0.20	0.095	ug/L		04/19/25 11:54	05/02/25 22:00	1
Diethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4-Dimethylphenol	ND	*- UJ	10	0.24	ug/L		04/19/25 11:54	05/02/25 22:00	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/19/25 11:54	05/02/25 22:00	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 22:00	1
1,4-Dioxane	**0.098**	**J**	10	0.070	ug/L		04/19/25 11:54	05/02/25 22:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/19/25 11:54	05/02/25 22:00	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/19/25 11:54	05/02/25 22:00	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/19/25 11:54	05/02/25 22:00	1
Hexachloroethane	ND		10	0.53	ug/L		04/19/25 11:54	05/02/25 22:00	1
Indene	ND		10	0.44	ug/L		04/19/25 11:54	05/02/25 22:00	1
Isophorone	ND		10	0.80	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/19/25 11:54	05/02/25 22:00	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Nitroaniline	ND		10	1.4	ug/L		04/19/25 11:54	05/02/25 22:00	1
3-Nitroaniline	ND		10	0.95	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Nitroaniline	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 22:00	1
Nitrobenzene	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 22:00	1
2-Nitrophenol	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 22:00	1
4-Nitrophenol	ND		10	2.7	ug/L		04/19/25 11:54	05/02/25 22:00	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/19/25 11:54	05/02/25 22:00	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/19/25 11:54	05/02/25 22:00	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/19/25 11:54	05/02/25 22:00	1
Pentachlorophenol	ND		10	0.41	ug/L		04/19/25 11:54	05/02/25 22:00	1
Phenol	ND	UJ	10	0.27	ug/L		04/19/25 11:54	05/02/25 22:00	1
Pyridine	ND		10	0.64	ug/L		04/19/25 11:54	05/02/25 22:00	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/19/25 11:54	05/02/25 22:00	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/19/25 11:54	05/02/25 22:00	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW13-ROX-041425

Date Collected: 04/14/25 09:45
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		15 - 150	04/19/25 11:54	05/02/25 22:00	1
Nitrobenzene-d5	96		50 - 150	04/19/25 11:54	05/02/25 22:00	1
Terphenyl-d14	79		43 - 147	04/19/25 11:54	05/02/25 22:00	1
2-Fluorobiphenyl	85		15 - 150	04/19/25 11:54	05/02/25 22:00	1
2-Fluorophenol	107		10 - 150	04/19/25 11:54	05/02/25 22:00	1
Nitrobenzene-d5	96		50 - 150	04/19/25 11:54	05/02/25 22:00	1
Phenol-d5	111		10 - 150	04/19/25 11:54	05/02/25 22:00	1
Terphenyl-d14	79		43 - 147	04/19/25 11:54	05/02/25 22:00	1
2,4,6-Tribromophenol	27		10 - 150	04/19/25 11:54	05/02/25 22:00	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.033	0.019	ug/L		04/18/25 07:35	04/18/25 14:59	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/18/25 07:35	04/18/25 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	62		51 - 149	04/18/25 07:35	04/18/25 14:59	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: P114R-ROX-041425
Date Collected: 04/14/25 10:50
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-4
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			04/25/25 15:34	1
Acrolein	ND		20	3.3	ug/L			04/25/25 15:34	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 15:34	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 15:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 15:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 15:34	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 15:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 15:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 15:34	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 15:34	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 15:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 15:34	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 15:34	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 15:34	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 15:34	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 15:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 15:34	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 15:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 15:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 15:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 15:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 15:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 15:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 15:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 15:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 15:34	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 15:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 15:34	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 15:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 15:34	1
Methyl tert-butyl ether	**0.61**	**J**	1.0	0.22	ug/L			04/25/25 15:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:34	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 15:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 15:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 15:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 15:34	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 15:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 15:34	1

Client Sample ID: P114R-ROX-041425
Date Collected: 04/14/25 10:50
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-4
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			04/25/25 15:34	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 15:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 15:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 15:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 15:34	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 15:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:34	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 15:34	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/25/25 15:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 15:34	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 15:34	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 15:34	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 15:34	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 15:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 15:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 15:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 15:34	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 15:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 15:34	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*56 - 136*		*04/25/25 15:34*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/25/25 15:34*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*04/25/25 15:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.083	ug/L		04/19/25 11:54	05/02/25 22:31	1
Aniline	ND		9.7	0.72	ug/L		04/19/25 11:54	05/02/25 22:31	1
Acenaphthylene	ND		0.19	0.046	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzenethiol	ND		9.7	0.58	ug/L		04/19/25 11:54	05/02/25 22:31	1
Anthracene	ND		0.19	0.071	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzoic acid	ND		29	26	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzyl alcohol	ND	UJ	9.7	1.8	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		04/19/25 11:54	05/02/25 22:31	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		04/19/25 11:54	05/02/25 22:31	1
Bis(2-chloroethyl)ether	ND		9.7	0.14	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzo[g,h,i]perylene	ND		0.19	0.051	ug/L		04/19/25 11:54	05/02/25 22:31	1
bis (2-chloroisopropyl) ether	ND		9.7	0.19	ug/L		04/19/25 11:54	05/02/25 22:31	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		04/19/25 11:54	05/02/25 22:31	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		04/19/25 11:54	05/02/25 22:31	1
Chrysene	ND		0.19	0.038	ug/L		04/19/25 11:54	05/02/25 22:31	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Chloroaniline	ND		9.7	0.27	ug/L		04/19/25 11:54	05/02/25 22:31	1

Client Sample ID: P114R-ROX-041425
Date Collected: 04/14/25 10:50
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.19	0.031	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		04/19/25 11:54	05/02/25 22:31	1
Fluorene	ND		0.19	0.085	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Chlorophenol	ND		9.7	0.21	ug/L		04/19/25 11:54	05/02/25 22:31	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		04/19/25 11:54	05/02/25 22:31	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		04/19/25 11:54	05/02/25 22:31	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		04/19/25 11:54	05/02/25 22:31	1
Dibenzofuran	ND		9.7	0.15	ug/L		04/19/25 11:54	05/02/25 22:31	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/19/25 11:54	05/02/25 22:31	1
Phenanthrene	ND		0.19	0.043	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4-Dichlorophenol	ND		9.7	0.56	ug/L		04/19/25 11:54	05/02/25 22:31	1
Pyrene	ND		0.19	0.093	ug/L		04/19/25 11:54	05/02/25 22:31	1
Diethyl phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4-Dimethylphenol	ND	*- UJ	9.7	0.23	ug/L		04/19/25 11:54	05/02/25 22:31	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		04/19/25 11:54	05/02/25 22:31	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		04/19/25 11:54	05/02/25 22:31	1
1,4-Dioxane	**0.21**	**J**	9.7	0.068	ug/L		04/19/25 11:54	05/02/25 22:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.31	ug/L		04/19/25 11:54	05/02/25 22:31	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		04/19/25 11:54	05/02/25 22:31	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		04/19/25 11:54	05/02/25 22:31	1
Hexachloroethane	ND		9.7	0.52	ug/L		04/19/25 11:54	05/02/25 22:31	1
Indene	ND		9.7	0.43	ug/L		04/19/25 11:54	05/02/25 22:31	1
Isophorone	ND		9.7	0.78	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Methylphenol	ND	UJ	9.7	0.29	ug/L		04/19/25 11:54	05/02/25 22:31	1
3 & 4 Methylphenol	ND		19	0.18	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Nitroaniline	ND		9.7	1.3	ug/L		04/19/25 11:54	05/02/25 22:31	1
3-Nitroaniline	ND		9.7	0.93	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Nitroaniline	ND		9.7	1.2	ug/L		04/19/25 11:54	05/02/25 22:31	1
Nitrobenzene	ND		9.7	0.58	ug/L		04/19/25 11:54	05/02/25 22:31	1
2-Nitrophenol	ND		9.7	1.1	ug/L		04/19/25 11:54	05/02/25 22:31	1
4-Nitrophenol	ND		9.7	2.7	ug/L		04/19/25 11:54	05/02/25 22:31	1
N-Nitrosodimethylamine	ND		9.7	0.22	ug/L		04/19/25 11:54	05/02/25 22:31	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		04/19/25 11:54	05/02/25 22:31	1
N-Nitrosodiphenylamine	ND		9.7	0.19	ug/L		04/19/25 11:54	05/02/25 22:31	1
Pentachlorophenol	ND		9.7	0.40	ug/L		04/19/25 11:54	05/02/25 22:31	1
Phenol	ND	UJ	9.7	0.26	ug/L		04/19/25 11:54	05/02/25 22:31	1
Pyridine	ND		9.7	0.62	ug/L		04/19/25 11:54	05/02/25 22:31	1
Quinoline	ND	*- UJ	9.7	0.49	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4,5-Trichlorophenol	ND		9.7	0.53	ug/L		04/19/25 11:54	05/02/25 22:31	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		04/19/25 11:54	05/02/25 22:31	1

Client Sample ID: P114R-ROX-041425
Lab Sample ID: 400-274263-4
Date Collected: 04/14/25 10:50
Matrix: Water
Date Received: 04/15/25 09:46

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
Terphenyl-d14	*83*		*43 - 147*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
2-Fluorobiphenyl	*91*		*15 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
2-Fluorophenol	*103*		*10 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
Phenol-d5	*109*		*10 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
Terphenyl-d14	*83*		*43 - 147*	*04/19/25 11:54*	*05/02/25 22:31*	*1*
2,4,6-Tribromophenol	*32*		*10 - 150*	*04/19/25 11:54*	*05/02/25 22:31*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.033	0.019	ug/L		04/18/25 07:35	04/18/25 15:21	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/18/25 07:35	04/18/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*58*		*51 - 149*	*04/18/25 07:35*	*04/18/25 15:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW24-ROX-041425-EB
Date Collected: 04/14/25 12:15
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-5
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			04/25/25 14:21	1
Acrolein	ND		20	3.3	ug/L			04/25/25 14:21	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 14:21	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 14:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 14:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 14:21	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 14:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 14:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 14:21	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 14:21	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 14:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 14:21	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 14:21	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 14:21	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 14:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 14:21	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 14:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 14:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 14:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 14:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 14:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 14:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 14:21	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 14:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 14:21	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 14:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 14:21	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/25/25 14:21	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 14:21	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 14:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 14:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 14:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 14:21	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 14:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 14:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 14:21	1

Client Sample ID: MW24-ROX-041425-EB
Date Collected: 04/14/25 12:15
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-5
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			04/25/25 14:21	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 14:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 14:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 14:21	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 14:21	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 14:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/25/25 14:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 14:21	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 14:21	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 14:21	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 14:21	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 14:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 14:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 14:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 14:21	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 14:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 14:21	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*123*		*56 - 136*		*04/25/25 14:21*	*1*
Dibromofluoromethane	*85*		*79 - 130*		*04/25/25 14:21*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*04/25/25 14:21*	*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		04/19/25 11:54	05/02/25 23:02	1
Aniline	ND		10	0.74	ug/L		04/19/25 11:54	05/02/25 23:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzenethiol	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 23:02	1
Anthracene	ND		0.20	0.073	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzoic acid	ND		30	27	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzyl alcohol	ND		10	1.9	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/19/25 11:54	05/02/25 23:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/19/25 11:54	05/02/25 23:02	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/19/25 11:54	05/02/25 23:02	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/19/25 11:54	05/02/25 23:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 23:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/19/25 11:54	05/02/25 23:02	1
Chrysene	ND		0.20	0.039	ug/L		04/19/25 11:54	05/02/25 23:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Chloroaniline	ND		10	0.28	ug/L		04/19/25 11:54	05/02/25 23:02	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW24-ROX-041425-EB
Date Collected: 04/14/25 12:15
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/19/25 11:54	05/02/25 23:02	1
Fluorene	ND		0.20	0.088	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Chlorophenol	ND		10	0.22	ug/L		04/19/25 11:54	05/02/25 23:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 23:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Methylnaphthalene	ND		0.20	0.078	ug/L		04/19/25 11:54	05/02/25 23:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/19/25 11:54	05/02/25 23:02	1
Dibenzofuran	ND		10	0.15	ug/L		04/19/25 11:54	05/02/25 23:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/19/25 11:54	05/02/25 23:02	1
Phenanthrene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/19/25 11:54	05/02/25 23:02	1
Pyrene	ND		0.20	0.096	ug/L		04/19/25 11:54	05/02/25 23:02	1
Diethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4-Dimethylphenol	ND	*-	10	0.24	ug/L		04/19/25 11:54	05/02/25 23:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/19/25 11:54	05/02/25 23:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 23:02	1
1,4-Dioxane	ND		10	0.070	ug/L		04/19/25 11:54	05/02/25 23:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/19/25 11:54	05/02/25 23:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/19/25 11:54	05/02/25 23:02	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/19/25 11:54	05/02/25 23:02	1
Hexachloroethane	ND		10	0.53	ug/L		04/19/25 11:54	05/02/25 23:02	1
Indene	ND		10	0.44	ug/L		04/19/25 11:54	05/02/25 23:02	1
Isophorone	ND		10	0.81	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Methylphenol	ND		10	0.30	ug/L		04/19/25 11:54	05/02/25 23:02	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Nitroaniline	ND		10	1.4	ug/L		04/19/25 11:54	05/02/25 23:02	1
3-Nitroaniline	ND		10	0.96	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Nitroaniline	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 23:02	1
Nitrobenzene	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 23:02	1
2-Nitrophenol	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 23:02	1
4-Nitrophenol	ND		10	2.8	ug/L		04/19/25 11:54	05/02/25 23:02	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/19/25 11:54	05/02/25 23:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/19/25 11:54	05/02/25 23:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/19/25 11:54	05/02/25 23:02	1
Pentachlorophenol	ND		10	0.41	ug/L		04/19/25 11:54	05/02/25 23:02	1
Phenol	ND		10	0.27	ug/L		04/19/25 11:54	05/02/25 23:02	1
Pyridine	ND		10	0.64	ug/L		04/19/25 11:54	05/02/25 23:02	1
Quinoline	ND	*-	10	0.50	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/19/25 11:54	05/02/25 23:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/19/25 11:54	05/02/25 23:02	1

Client Sample ID: MW24-ROX-041425-EB
Lab Sample ID: 400-274263-5
Date Collected: 04/14/25 12:15
Matrix: Water
Date Received: 04/15/25 09:46

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*15 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
Terphenyl-d14	*80*		*43 - 147*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
2-Fluorobiphenyl	*87*		*15 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
2-Fluorophenol	*96*		*10 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
Phenol-d5	*125*		*10 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
Terphenyl-d14	*80*		*43 - 147*	*04/19/25 11:54*	*05/02/25 23:02*	*1*
2,4,6-Tribromophenol	*68*		*10 - 150*	*04/19/25 11:54*	*05/02/25 23:02*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/18/25 07:35	04/18/25 15:42	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/18/25 07:35	04/18/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*62*		*51 - 149*	*04/18/25 07:35*	*04/18/25 15:42*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW24-ROX-041425
Date Collected: 04/14/25 13:10
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-6
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			04/25/25 15:58	1
Acrolein	ND		20	3.3	ug/L			04/25/25 15:58	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 15:58	1
Benzene	**1.9**		1.0	0.50	ug/L			04/25/25 15:58	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 15:58	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 15:58	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 15:58	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 15:58	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 15:58	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 15:58	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 15:58	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 15:58	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 15:58	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 15:58	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 15:58	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 15:58	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 15:58	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 15:58	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 15:58	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 15:58	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 15:58	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 15:58	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 15:58	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 15:58	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 15:58	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:58	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 15:58	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 15:58	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 15:58	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 15:58	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 15:58	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 15:58	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 15:58	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 15:58	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/25/25 15:58	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:58	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 15:58	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 15:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 15:58	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 15:58	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 15:58	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 15:58	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 15:58	1

Client Sample ID: MW24-ROX-041425
Date Collected: 04/14/25 13:10
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-6
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			04/25/25 15:58	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 15:58	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 15:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 15:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 15:58	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 15:58	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 15:58	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 15:58	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 15:58	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/25/25 15:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 15:58	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 15:58	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 15:58	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 15:58	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 15:58	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 15:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 15:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 15:58	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 15:58	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 15:58	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*04/25/25 15:58*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/25/25 15:58*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*04/25/25 15:58*	*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		04/19/25 11:54	05/02/25 23:33	1
Aniline	ND		9.9	0.74	ug/L		04/19/25 11:54	05/02/25 23:33	1
Aniline	ND	H	9.7	0.72	ug/L		05/09/25 07:00	05/10/25 20:42	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzenethiol	ND	UJ	9.9	0.60	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzenethiol	ND	H	9.7	0.58	ug/L		05/09/25 07:00	05/10/25 20:42	1
Anthracene	ND		0.20	0.073	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzoic acid	ND	UJ	30	27	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzoic acid	ND	H	29	26	ug/L		05/09/25 07:00	05/10/25 20:42	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/19/25 11:54	05/02/25 23:33	1
Benzyl alcohol	ND	H	9.7	1.8	ug/L		05/09/25 07:00	05/10/25 20:42	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-chloroethoxy)methane	ND	H	9.7	0.33	ug/L		05/09/25 07:00	05/10/25 20:42	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-chloroethyl)ether	ND	H	9.7	0.14	ug/L		05/09/25 07:00	05/10/25 20:42	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/19/25 11:54	05/02/25 23:33	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/19/25 11:54	05/02/25 23:33	1
bis (2-chloroisopropyl) ether	ND	H	9.7	0.19	ug/L		05/09/25 07:00	05/10/25 20:42	1

Client Sample ID: MW24-ROX-041425
Date Collected: 04/14/25 13:10
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Bis(2-ethylhexyl) phthalate	ND	H	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Bromophenyl phenyl ether	ND	H	9.7	0.13	ug/L		05/09/25 07:00	05/10/25 20:42	1
Chrysene	ND		0.20	0.039	ug/L		04/19/25 11:54	05/02/25 23:33	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Butyl benzyl phthalate	ND	H	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chloroaniline	ND	H	9.7	0.27	ug/L		05/09/25 07:00	05/10/25 20:42	1
Fluoranthene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chloro-3-methylphenol	ND	UJ	9.9	0.73	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chloro-3-methylphenol	ND	H	9.7	0.71	ug/L		05/09/25 07:00	05/10/25 20:42	1
Fluorene	ND		0.20	0.086	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Chloronaphthalene	ND	H	9.7	0.37	ug/L		05/09/25 07:00	05/10/25 20:42	1
2-Chlorophenol	ND	UJ	9.9	0.22	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Chlorophenol	ND	H	9.7	0.21	ug/L		05/09/25 07:00	05/10/25 20:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 23:33	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Chlorophenyl phenyl ether	ND	H	9.7	0.23	ug/L		05/09/25 07:00	05/10/25 20:42	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/19/25 11:54	05/02/25 23:33	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		04/19/25 11:54	05/02/25 23:33	1
Dibenz[a,h]acridine	ND	H	9.7	0.67	ug/L		05/09/25 07:00	05/10/25 20:42	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/19/25 11:54	05/02/25 23:33	1
Dibenzofuran	ND	H	9.7	0.15	ug/L		05/09/25 07:00	05/10/25 20:42	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/19/25 11:54	05/02/25 23:33	1
3,3'-Dichlorobenzidine	ND	H	11	0.40	ug/L		05/09/25 07:00	05/10/25 20:42	1
Phenanthrene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4-Dichlorophenol	ND	UJ	9.9	0.57	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4-Dichlorophenol	ND	H	9.7	0.55	ug/L		05/09/25 07:00	05/10/25 20:42	1
Pyrene	ND		0.20	0.094	ug/L		04/19/25 11:54	05/02/25 23:33	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Diethyl phthalate	ND	H *-	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,4-Dimethylphenol	ND	*- UJ	9.9	0.24	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4-Dimethylphenol	ND	H	9.7	0.23	ug/L		05/09/25 07:00	05/10/25 20:42	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Dimethyl phthalate	ND	H	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Di-n-butyl phthalate	ND	H	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	2.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
4,6-Dinitro-ortho-cresol	ND	H	9.7	1.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,4-Dinitrophenol	ND	UJ	30	4.6	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4-Dinitrophenol	ND	H	29	4.5	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4-Dinitrotoluene	ND	H	9.7	0.63	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/19/25 11:54	05/02/25 23:33	1

Client Sample ID: MW24-ROX-041425
Date Collected: 04/14/25 13:10
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	H	9.7	0.28	ug/L		05/09/25 07:00	05/10/25 20:42	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/02/25 23:33	1
Di-n-octyl phthalate	ND	H	9.7	3.9	ug/L		05/09/25 07:00	05/10/25 20:42	1
1,4-Dioxane	ND		9.9	0.070	ug/L		04/19/25 11:54	05/02/25 23:33	1
1,4-Dioxane	ND	H	9.7	0.068	ug/L		05/09/25 07:00	05/10/25 20:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/19/25 11:54	05/02/25 23:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.7	0.31	ug/L		05/09/25 07:00	05/10/25 20:42	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/19/25 11:54	05/02/25 23:33	1
Hexachlorobenzene	ND	H	9.7	0.24	ug/L		05/09/25 07:00	05/10/25 20:42	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/19/25 11:54	05/02/25 23:33	1
Hexachlorocyclopentadiene	ND	H	19	0.31	ug/L		05/09/25 07:00	05/10/25 20:42	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/19/25 11:54	05/02/25 23:33	1
Hexachloroethane	ND	H	9.7	0.51	ug/L		05/09/25 07:00	05/10/25 20:42	1
Indene	ND		9.9	0.44	ug/L		04/19/25 11:54	05/02/25 23:33	1
Indene	ND	H	9.7	0.43	ug/L		05/09/25 07:00	05/10/25 20:42	1
Isophorone	ND		9.9	0.79	ug/L		04/19/25 11:54	05/02/25 23:33	1
Isophorone	ND	H	9.7	0.78	ug/L		05/09/25 07:00	05/10/25 20:42	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Methylphenol	ND	H	9.7	0.29	ug/L		05/09/25 07:00	05/10/25 20:42	1
3 & 4 Methylphenol	ND	UJ	20	0.18	ug/L		04/19/25 11:54	05/02/25 23:33	1
3 & 4 Methylphenol	ND	H	19	0.17	ug/L		05/09/25 07:00	05/10/25 20:42	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Nitroaniline	ND	H	9.7	1.3	ug/L		05/09/25 07:00	05/10/25 20:42	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/19/25 11:54	05/02/25 23:33	1
3-Nitroaniline	ND	H	9.7	0.92	ug/L		05/09/25 07:00	05/10/25 20:42	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Nitroaniline	ND	H	9.7	1.2	ug/L		05/09/25 07:00	05/10/25 20:42	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/19/25 11:54	05/02/25 23:33	1
Nitrobenzene	ND	H	9.7	0.58	ug/L		05/09/25 07:00	05/10/25 20:42	1
2-Nitrophenol	ND	UJ	9.9	1.2	ug/L		04/19/25 11:54	05/02/25 23:33	1
2-Nitrophenol	ND	H	9.7	1.1	ug/L		05/09/25 07:00	05/10/25 20:42	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/19/25 11:54	05/02/25 23:33	1
4-Nitrophenol	ND	H	9.7	2.7	ug/L		05/09/25 07:00	05/10/25 20:42	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/19/25 11:54	05/02/25 23:33	1
N-Nitrosodimethylamine	ND	H	9.7	0.22	ug/L		05/09/25 07:00	05/10/25 20:42	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/19/25 11:54	05/02/25 23:33	1
N-Nitrosodi-n-propylamine	ND	H	9.7	0.32	ug/L		05/09/25 07:00	05/10/25 20:42	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/19/25 11:54	05/02/25 23:33	1
N-Nitrosodiphenylamine	ND	H	9.7	0.18	ug/L		05/09/25 07:00	05/10/25 20:42	1
Pentachlorophenol	ND	UJ	9.9	0.41	ug/L		04/19/25 11:54	05/02/25 23:33	1
Pentachlorophenol	ND	H	9.7	0.40	ug/L		05/09/25 07:00	05/10/25 20:42	1
Phenol	ND	UJ	9.9	0.27	ug/L		04/19/25 11:54	05/02/25 23:33	1
Phenol	ND	H	9.7	0.26	ug/L		05/09/25 07:00	05/10/25 20:42	1
Pyridine	ND		9.9	0.64	ug/L		04/19/25 11:54	05/02/25 23:33	1
Pyridine	ND	H	9.7	0.62	ug/L		05/09/25 07:00	05/10/25 20:42	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/19/25 11:54	05/02/25 23:33	1
Quinoline	ND	H	9.7	0.49	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,4,5-Trichlorophenol	ND	UJ	9.9	0.54	ug/L		04/19/25 11:54	05/02/25 23:33	1

Client Sample ID: MW24-ROX-041425
Lab Sample ID: 400-274263-6

Date Collected: 04/14/25 13:10
Matrix: Water

Date Received: 04/15/25 09:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	9.7	0.52	ug/L		05/09/25 07:00	05/10/25 20:42	1
2,4,6-Trichlorophenol	ND	UJ	9.9	1.1	ug/L		04/19/25 11:54	05/02/25 23:33	1
2,4,6-Trichlorophenol	ND	H	9.7	1.1	ug/L		05/09/25 07:00	05/10/25 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
2-Fluorobiphenyl	*54*		*15 - 150*	*05/09/25 07:00*	*05/10/25 20:42*	*1*
2-Fluorophenol	*1*	*S1-*	*10 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
2-Fluorophenol	*7*	*S1-*	*10 - 150*	*05/09/25 07:00*	*05/10/25 20:42*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
Nitrobenzene-d5	*62*		*50 - 150*	*05/09/25 07:00*	*05/10/25 20:42*	*1*
Phenol-d5	*3*	*S1-*	*10 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
Phenol-d5	*1*	*S1-*	*10 - 150*	*05/09/25 07:00*	*05/10/25 20:42*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
Terphenyl-d14	*41*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/10/25 20:42*	*1*
2,4,6-Tribromophenol	*9*	*S1-*	*10 - 150*	*04/19/25 11:54*	*05/02/25 23:33*	*1*
2,4,6-Tribromophenol	*38*		*10 - 150*	*05/09/25 07:00*	*05/10/25 20:42*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/18/25 07:35	04/18/25 16:03	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/18/25 07:35	04/18/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/18/25 07:35*	*04/18/25 16:03*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Client Sample ID: MW1-ROX-041425
Date Collected: 04/14/25 14:00
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-7
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			04/25/25 16:22	1
Acrolein	ND		20	3.3	ug/L			04/25/25 16:22	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 16:22	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 16:22	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 16:22	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 16:22	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 16:22	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 16:22	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 16:22	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 16:22	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 16:22	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 16:22	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 16:22	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 16:22	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 16:22	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 16:22	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 16:22	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 16:22	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 16:22	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 16:22	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 16:22	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 16:22	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 16:22	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 16:22	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 16:22	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 16:22	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 16:22	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 16:22	1
Methyl tert-butyl ether	**0.60**	**J**	1.0	0.22	ug/L			04/25/25 16:22	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 16:22	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 16:22	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 16:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 16:22	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 16:22	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 16:22	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 16:22	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 16:22	1

Client Sample ID: MW1-ROX-041425
Date Collected: 04/14/25 14:00
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-7
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			04/25/25 16:22	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 16:22	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 16:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 16:22	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 16:22	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 16:22	1
1,2,3-Trichlorobenzene	ND	UJ	1.0	0.90	ug/L			04/25/25 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 16:22	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 16:22	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 16:22	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 16:22	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 16:22	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 16:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 16:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 16:22	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 16:22	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 16:22	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/25/25 16:22*	*1*
Dibromofluoromethane	*91*		*79 - 130*		*04/25/25 16:22*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/25/25 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		0.20	0.084	ug/L		04/19/25 11:54	05/03/25 00:04	1
Aniline	ND		9.9	0.74	ug/L		04/19/25 11:54	05/03/25 00:04	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzenethiol	ND		9.9	0.60	ug/L		04/19/25 11:54	05/03/25 00:04	1
Anthracene	ND		0.20	0.073	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzoic acid	ND		30	27	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/19/25 11:54	05/03/25 00:04	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/19/25 11:54	05/03/25 00:04	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/19/25 11:54	05/03/25 00:04	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/19/25 11:54	05/03/25 00:04	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/03/25 00:04	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/19/25 11:54	05/03/25 00:04	1
Chrysene	ND		0.20	0.039	ug/L		04/19/25 11:54	05/03/25 00:04	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/19/25 11:54	05/03/25 00:04	1

Client Sample ID: MW1-ROX-041425
Date Collected: 04/14/25 14:00
Date Received: 04/15/25 09:46

Lab Sample ID: 400-274263-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		04/19/25 11:54	05/03/25 00:04	1
Fluorene	ND		0.20	0.086	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/19/25 11:54	05/03/25 00:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/03/25 00:04	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/19/25 11:54	05/03/25 00:04	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		04/19/25 11:54	05/03/25 00:04	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/19/25 11:54	05/03/25 00:04	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/19/25 11:54	05/03/25 00:04	1
Phenanthrene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		04/19/25 11:54	05/03/25 00:04	1
Pyrene	ND		0.20	0.094	ug/L		04/19/25 11:54	05/03/25 00:04	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4-Dimethylphenol	ND	*- UJ	9.9	0.24	ug/L		04/19/25 11:54	05/03/25 00:04	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/19/25 11:54	05/03/25 00:04	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/19/25 11:54	05/03/25 00:04	1
1,4-Dioxane	**0.19**	**J**	9.9	0.070	ug/L		04/19/25 11:54	05/03/25 00:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/19/25 11:54	05/03/25 00:04	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/19/25 11:54	05/03/25 00:04	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/19/25 11:54	05/03/25 00:04	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/19/25 11:54	05/03/25 00:04	1
Indene	ND		9.9	0.44	ug/L		04/19/25 11:54	05/03/25 00:04	1
Isophorone	ND		9.9	0.79	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/19/25 11:54	05/03/25 00:04	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/19/25 11:54	05/03/25 00:04	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/19/25 11:54	05/03/25 00:04	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/19/25 11:54	05/03/25 00:04	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/19/25 11:54	05/03/25 00:04	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/19/25 11:54	05/03/25 00:04	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/19/25 11:54	05/03/25 00:04	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/19/25 11:54	05/03/25 00:04	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/19/25 11:54	05/03/25 00:04	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/19/25 11:54	05/03/25 00:04	1
Phenol	ND	UJ	9.9	0.27	ug/L		04/19/25 11:54	05/03/25 00:04	1
Pyridine	ND		9.9	0.64	ug/L		04/19/25 11:54	05/03/25 00:04	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		04/19/25 11:54	05/03/25 00:04	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/19/25 11:54	05/03/25 00:04	1

Client Sample ID: MW1-ROX-041425
Lab Sample ID: 400-274263-7
Date Collected: 04/14/25 14:00
Matrix: Water
Date Received: 04/15/25 09:46

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
Terphenyl-d14	*76*		*43 - 147*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
2-Fluorobiphenyl	*84*		*15 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
2-Fluorophenol	*97*		*10 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
Nitrobenzene-d5	*96*		*50 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
Phenol-d5	*116*		*10 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
Terphenyl-d14	*76*		*43 - 147*	*04/19/25 11:54*	*05/03/25 00:04*	*1*
2,4,6-Tribromophenol	*85*		*10 - 150*	*04/19/25 11:54*	*05/03/25 00:04*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/18/25 07:35	04/18/25 16:24	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/18/25 07:35	04/18/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*63*		*51 - 149*	*04/18/25 07:35*	*04/18/25 16:24*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-274263-1
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, low biased.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274263-1

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)
400-274263-1	TB-ROX-041425-8260	117	93	99
400-274263-3	MW13-ROX-041425	107	92	100
400-274263-4	P114R-ROX-041425	98	92	99
400-274263-5	MW24-ROX-041425-EB	123	85	104
400-274263-6	MW24-ROX-041425	104	92	99
400-274263-7	MW1-ROX-041425	108	91	101
LCS 400-707040/1002	Lab Control Sample	106	90	103
MB 400-707040/4	Method Blank	113	94	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274263-3	MW13-ROX-041425	85	85	96	96	79	79	107	111
400-274263-4	P114R-ROX-041425	91	91	102	102	83	83	103	109
400-274263-5	MW24-ROX-041425-EB	87	87	105	105	80	80	96	125
400-274263-6	MW24-ROX-041425	83	83	101	101	75	75	1 S1-	3 S1-
400-274263-6	MW24-ROX-041425	54	54	62	62	41 S1-	41 S1-	7 S1-	1 S1-
400-274263-7	MW1-ROX-041425	84	84	96	96	76	76	97	116
LCS 400-706387/23-A	Lab Control Sample	80	80	96	96	75	75	97	102
LCS 400-706387/2-A	Lab Control Sample	71	71	81	81	64	64	90	88
LCSD 400-706387/24-A	Lab Control Sample Dup	88	88	101	101	82	82	109	120
LCSD 400-706387/3-A	Lab Control Sample Dup	71	71	86	86	66	66	101	96
MB 400-706387/1-A	Method Blank	79	79	89	89	75	75	105	116

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274263-3	MW13-ROX-041425	27
400-274263-4	P114R-ROX-041425	32
400-274263-5	MW24-ROX-041425-EB	68
400-274263-6	MW24-ROX-041425	9 S1-
400-274263-6	MW24-ROX-041425	38
400-274263-7	MW1-ROX-041425	85
LCS 400-706387/23-A	Lab Control Sample	67
LCS 400-706387/2-A	Lab Control Sample	85
LCSD 400-706387/24-A	Lab Control Sample Dup	113
LCSD 400-706387/3-A	Lab Control Sample Dup	84
MB 400-706387/1-A	Method Blank	95

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol

Surrogate Summary

Client: AECOM
Job ID: 400-274263-1
Project/Site: ROXANA QUARTERLY GW

PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274263-2	TB-ROX-041425-8011	74
400-274263-3	MW13-ROX-041425	62
400-274263-4	P114R-ROX-041425	58
400-274263-5	MW24-ROX-041425-EB	62
400-274263-6	MW24-ROX-041425	71
400-274263-7	MW1-ROX-041425	63
LCS 400-706219/2-A	Lab Control Sample	71
LCSD 400-706219/3-A	Lab Control Sample Dup	72
MB 400-706219/1-A	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274263-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041425-8260
Lab Sample ID: 400-274263-1
Date Collected: 04/14/25 00:00
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 14:45	WPD	EET PEN

Client Sample ID: TB-ROX-041425-8011
Lab Sample ID: 400-274263-2
Date Collected: 04/14/25 00:00
Matrix: Water
Date Received: 04/15/25 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			31 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 14:38	KR	EET PEN

Client Sample ID: MW13-ROX-041425
Lab Sample ID: 400-274263-3
Date Collected: 04/14/25 09:45
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 15:09	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 22:00	S1B	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 22:00	S1B	EET PEN
Total/NA	Prep	8011			32.1 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 14:59	KR	EET PEN

Client Sample ID: P114R-ROX-041425
Lab Sample ID: 400-274263-4
Date Collected: 04/14/25 10:50
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 15:34	WPD	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 22:31	S1B	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 22:31	S1B	EET PEN
Total/NA	Prep	8011			31.9 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 15:21	KR	EET PEN

Client Sample ID: MW24-ROX-041425-EB
Lab Sample ID: 400-274263-5
Date Collected: 04/14/25 12:15
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 14:21	WPD	EET PEN
Total/NA	Prep	3511			29.8 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 23:02	S1B	EET PEN

Client Sample ID: MW24-ROX-041425-EB
Lab Sample ID: 400-274263-5

Date Collected: 04/14/25 12:15
Matrix: Water
Date Received: 04/15/25 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			29.8 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 23:02	S1B	EET PEN
Total/NA	Prep	8011			32.6 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 15:42	KR	EET PEN

Client Sample ID: MW24-ROX-041425
Lab Sample ID: 400-274263-6

Date Collected: 04/14/25 13:10
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 15:58	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 23:33	S1B	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 23:33	S1B	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 20:42	JAW	EET PEN
Total/NA	Prep	8011			33.1 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 16:03	KR	EET PEN

Client Sample ID: MW1-ROX-041425
Lab Sample ID: 400-274263-7

Date Collected: 04/14/25 14:00
Matrix: Water
Date Received: 04/15/25 09:46

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	707040	04/25/25 16:22	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/03/25 00:04	S1B	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/03/25 00:04	S1B	EET PEN
Total/NA	Prep	8011			32.6 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 16:24	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706219/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 10:26	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274263-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706387/1-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	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 19:25	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 19:25	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707040/4
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	707040	04/25/25 07:52	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706219/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 10:46	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706387/23-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	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 20:58	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706387/2-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	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 19:56	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 19:56	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707040/1002
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	707040	04/25/25 06:56	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274263-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706219/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706219	04/18/25 07:35	KR	EET PEN
Total/NA	Analysis	8011		1			706242	04/18/25 11:07	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706387/24-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 21:29	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706387/3-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	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 20:27	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706387	04/19/25 11:54	RAW	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 20:27	S1B	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: 400-274263-1

GC/MS VOA

Analysis Batch: 707040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-1	TB-ROX-041425-8260	Total/NA	Water	8260D	
400-274263-3	MW13-ROX-041425	Total/NA	Water	8260D	
400-274263-4	P114R-ROX-041425	Total/NA	Water	8260D	
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	8260D	
400-274263-6	MW24-ROX-041425	Total/NA	Water	8260D	
400-274263-7	MW1-ROX-041425	Total/NA	Water	8260D	
MB 400-707040/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707040/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-3	MW13-ROX-041425	Total/NA	Water	3511	
400-274263-4	P114R-ROX-041425	Total/NA	Water	3511	
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	3511	
400-274263-6	MW24-ROX-041425	Total/NA	Water	3511	
400-274263-7	MW1-ROX-041425	Total/NA	Water	3511	
MB 400-706387/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706387/23-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706387/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706387/24-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706387/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-3	MW13-ROX-041425	Total/NA	Water	8270E	706387
400-274263-4	P114R-ROX-041425	Total/NA	Water	8270E	706387
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	8270E	706387
400-274263-6	MW24-ROX-041425	Total/NA	Water	8270E	706387
400-274263-7	MW1-ROX-041425	Total/NA	Water	8270E	706387
MB 400-706387/1-A	Method Blank	Total/NA	Water	8270E	706387
LCS 400-706387/2-A	Lab Control Sample	Total/NA	Water	8270E	706387
LCSD 400-706387/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706387

Analysis Batch: 707859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-3	MW13-ROX-041425	Total/NA	Water	8270E	706387
400-274263-4	P114R-ROX-041425	Total/NA	Water	8270E	706387
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	8270E	706387
400-274263-6	MW24-ROX-041425	Total/NA	Water	8270E	706387
400-274263-7	MW1-ROX-041425	Total/NA	Water	8270E	706387
MB 400-706387/1-A	Method Blank	Total/NA	Water	8270E	706387
LCS 400-706387/23-A	Lab Control Sample	Total/NA	Water	8270E	706387
LCS 400-706387/2-A	Lab Control Sample	Total/NA	Water	8270E	706387
LCSD 400-706387/24-A	Lab Control Sample Dup	Total/NA	Water	8270E	706387
LCSD 400-706387/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706387

Prep Batch: 708675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-6	MW24-ROX-041425	Total/NA	Water	3511	

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274263-1

GC/MS Semi VOA

Analysis Batch: 708746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-6	MW24-ROX-041425	Total/NA	Water	8270E	708675

GC Semi VOA

Prep Batch: 706219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-2	TB-ROX-041425-8011	Total/NA	Water	8011	
400-274263-3	MW13-ROX-041425	Total/NA	Water	8011	
400-274263-4	P114R-ROX-041425	Total/NA	Water	8011	
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	8011	
400-274263-6	MW24-ROX-041425	Total/NA	Water	8011	
400-274263-7	MW1-ROX-041425	Total/NA	Water	8011	
MB 400-706219/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706219/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706219/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 706242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274263-2	TB-ROX-041425-8011	Total/NA	Water	8011	706219
400-274263-3	MW13-ROX-041425	Total/NA	Water	8011	706219
400-274263-4	P114R-ROX-041425	Total/NA	Water	8011	706219
400-274263-5	MW24-ROX-041425-EB	Total/NA	Water	8011	706219
400-274263-6	MW24-ROX-041425	Total/NA	Water	8011	706219
400-274263-7	MW1-ROX-041425	Total/NA	Water	8011	706219
MB 400-706219/1-A	Method Blank	Total/NA	Water	8011	706219
LCS 400-706219/2-A	Lab Control Sample	Total/NA	Water	8011	706219
LCSD 400-706219/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706219

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

Lab Sample ID: MB 400-707040/4
Matrix: Water
Analysis Batch: 707040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/25/25 07:52	1
Acrolein	ND		20	3.3	ug/L			04/25/25 07:52	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/25 07:52	1
Benzene	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/25 07:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/25 07:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Bromoform	ND		5.0	0.25	ug/L			04/25/25 07:52	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/25 07:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/25 07:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/25/25 07:52	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/25/25 07:52	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/25 07:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/25 07:52	1
Chloroform	ND		1.0	0.90	ug/L			04/25/25 07:52	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/25/25 07:52	1
Chloromethane	ND		1.0	0.40	ug/L			04/25/25 07:52	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/25/25 07:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/25 07:52	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/25/25 07:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/25 07:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/25 07:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/25 07:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/25 07:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/25/25 07:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 07:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/25/25 07:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/25 07:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/25 07:52	1
2-Hexanone	ND		25	4.3	ug/L			04/25/25 07:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/25 07:52	1
Methylene bromide	ND		5.0	0.22	ug/L			04/25/25 07:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/25 07:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/25 07:52	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/25/25 07:52	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/25/25 07:52	1
Naphthalene	ND		5.0	3.0	ug/L			04/25/25 07:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/25 07:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/25 07:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/25 07:52	1
o-Xylene	ND		5.0	3.0	ug/L			04/25/25 07:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/25 07:52	1

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

Lab Sample ID: MB 400-707040/4
Matrix: Water
Analysis Batch: 707040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/25 07:52	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/25/25 07:52	1
Styrene	ND		1.0	1.0	ug/L			04/25/25 07:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/25 07:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/25/25 07:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/25/25 07:52	1
Toluene	ND		1.0	0.90	ug/L			04/25/25 07:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/25 07:52	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/25/25 07:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/25/25 07:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/25 07:52	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/25/25 07:52	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/25/25 07:52	1
Trichloroethene	ND		1.0	0.15	ug/L			04/25/25 07:52	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/25/25 07:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/25 07:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/25 07:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/25 07:52	1
Vinyl acetate	ND		25	0.93	ug/L			04/25/25 07:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/25 07:52	1
Xylenes, Total	ND		10	6.0	ug/L			04/25/25 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*56 - 136*		*04/25/25 07:52*	*1*
Dibromofluoromethane	*94*		*79 - 130*		*04/25/25 07:52*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/25/25 07:52*	*1*

Lab Sample ID: LCS 400-707040/1002
Matrix: Water
Analysis Batch: 707040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	219		ug/L		110	43 - 150
Acrolein	500	452		ug/L		90	38 - 150
Acrylonitrile	500	540		ug/L		108	64 - 142
Benzene	50.0	49.1		ug/L		98	70 - 130
Bromobenzene	50.0	46.7		ug/L		93	70 - 132
Bromochloromethane	50.0	47.6		ug/L		95	70 - 130
Bromodichloromethane	50.0	44.6		ug/L		89	67 - 133
Bromoform	50.0	42.2		ug/L		84	57 - 140
Bromomethane	50.0	41.9		ug/L		84	10 - 150
2-Butanone (MEK)	200	193		ug/L		96	61 - 145
Carbon disulfide	50.0	49.7		ug/L		99	61 - 137
Carbon tetrachloride	50.0	43.4		ug/L		87	61 - 137
Chlorobenzene	50.0	47.9		ug/L		96	70 - 130
Chloroethane	50.0	50.1		ug/L		100	55 - 141
2-Chloroethyl vinyl ether	50.0	42.3		ug/L		85	10 - 150

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

Lab Sample ID: LCS 400-707040/1002
Matrix: Water
Analysis Batch: 707040

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	46.9		ug/L		94	69 - 130
1-Chlorohexane	50.0	51.8		ug/L		104	69 - 130
Chloromethane	50.0	45.8		ug/L		92	58 - 137
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	68 - 130
cis-1,3-Dichloropropene	50.0	46.9		ug/L		94	69 - 132
Dibromochloromethane	50.0	45.6		ug/L		91	67 - 135
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	67 - 130
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	33.1		ug/L		66	41 - 146
1,1-Dichloroethane	50.0	50.0		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	41.2		ug/L		82	69 - 130
1,1-Dichloroethene	50.0	57.2		ug/L		114	63 - 134
1,2-Dichloropropane	50.0	49.8		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	44.3		ug/L		89	52 - 135
1,1-Dichloropropene	50.0	46.8		ug/L		94	70 - 130
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130
Ethyl methacrylate	50.0	50.5		ug/L		101	68 - 130
Hexachlorobutadiene	50.0	46.2		ug/L		92	53 - 140
2-Hexanone	200	219		ug/L		110	65 - 137
Isopropylbenzene	50.0	49.6		ug/L		99	70 - 130
Methylene bromide	50.0	45.6		ug/L		91	70 - 130
Methylene Chloride	50.0	50.6		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	49.5		ug/L		99	66 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	50.0	39.2		ug/L		78	47 - 149
n-Butylbenzene	50.0	57.8		ug/L		116	67 - 130
N-Propylbenzene	50.0	54.3		ug/L		109	70 - 130
o-Chlorotoluene	50.0	53.8		ug/L		108	70 - 130
o-Xylene	50.0	49.6		ug/L		99	70 - 130
p-Chlorotoluene	50.0	52.1		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	54.1		ug/L		108	65 - 130
sec-Butylbenzene	50.0	55.0		ug/L		110	66 - 130
Styrene	50.0	48.1		ug/L		96	70 - 130
tert-Butylbenzene	50.0	52.6		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.4		ug/L		105	70 - 131
Tetrachloroethene	50.0	45.0		ug/L		90	65 - 130
Toluene	50.0	49.1		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	39.3		ug/L		79	60 - 138
1,2,4-Trichlorobenzene	50.0	43.1		ug/L		86	60 - 140
1,1,1-Trichloroethane	50.0	44.8		ug/L		90	68 - 130
1,1,2-Trichloroethane	50.0	51.8		ug/L		104	70 - 130
Trichloroethene	50.0	46.0		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	46.5		ug/L		93	65 - 138

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

Lab Sample ID: LCS 400-707040/1002
Matrix: Water
Analysis Batch: 707040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	54.4		ug/L		109	69 - 130
Vinyl acetate	100	99.1		ug/L		99	26 - 150
Vinyl chloride	50.0	42.5		ug/L		85	59 - 136
Xylenes, Total	100	98.3		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*90*		*79 - 130*
Toluene-d8 (Surr)	*103*		*64 - 132*

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

Lab Sample ID: MB 400-706387/1-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/19/25 11:54	05/02/25 19:25	1
Aniline	ND		10	0.74	ug/L		04/19/25 11:54	05/02/25 19:25	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzenethiol	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 19:25	1
Anthracene	ND		0.20	0.073	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzoic acid	ND		30	27	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzyl alcohol	ND		10	1.9	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/19/25 11:54	05/02/25 19:25	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/19/25 11:54	05/02/25 19:25	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/19/25 11:54	05/02/25 19:25	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/19/25 11:54	05/02/25 19:25	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/19/25 11:54	05/02/25 19:25	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/19/25 11:54	05/02/25 19:25	1
Chrysene	ND		0.20	0.039	ug/L		04/19/25 11:54	05/02/25 19:25	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Chloroaniline	ND		10	0.28	ug/L		04/19/25 11:54	05/02/25 19:25	1
Fluoranthene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/19/25 11:54	05/02/25 19:25	1
Fluorene	ND		0.20	0.087	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Chlorophenol	ND		10	0.22	ug/L		04/19/25 11:54	05/02/25 19:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/19/25 11:54	05/02/25 19:25	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/19/25 11:54	05/02/25 19:25	1

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

Lab Sample ID: MB 400-706387/1-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/19/25 11:54	05/02/25 19:25	1
Dibenzofuran	ND		10	0.15	ug/L		04/19/25 11:54	05/02/25 19:25	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/19/25 11:54	05/02/25 19:25	1
Phenanthrene	ND		0.20	0.044	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/19/25 11:54	05/02/25 19:25	1
Pyrene	ND		0.20	0.095	ug/L		04/19/25 11:54	05/02/25 19:25	1
Diethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/19/25 11:54	05/02/25 19:25	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/19/25 11:54	05/02/25 19:25	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/19/25 11:54	05/02/25 19:25	1
1,4-Dioxane	ND		10	0.070	ug/L		04/19/25 11:54	05/02/25 19:25	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/19/25 11:54	05/02/25 19:25	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/19/25 11:54	05/02/25 19:25	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/19/25 11:54	05/02/25 19:25	1
Hexachloroethane	ND		10	0.53	ug/L		04/19/25 11:54	05/02/25 19:25	1
Indene	ND		10	0.44	ug/L		04/19/25 11:54	05/02/25 19:25	1
Isophorone	ND		10	0.80	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Methylphenol	ND		10	0.30	ug/L		04/19/25 11:54	05/02/25 19:25	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Nitroaniline	ND		10	1.4	ug/L		04/19/25 11:54	05/02/25 19:25	1
3-Nitroaniline	ND		10	0.95	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Nitroaniline	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 19:25	1
Nitrobenzene	ND		10	0.60	ug/L		04/19/25 11:54	05/02/25 19:25	1
2-Nitrophenol	ND		10	1.2	ug/L		04/19/25 11:54	05/02/25 19:25	1
4-Nitrophenol	ND		10	2.7	ug/L		04/19/25 11:54	05/02/25 19:25	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/19/25 11:54	05/02/25 19:25	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/19/25 11:54	05/02/25 19:25	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/19/25 11:54	05/02/25 19:25	1
Pentachlorophenol	ND		10	0.41	ug/L		04/19/25 11:54	05/02/25 19:25	1
Phenol	ND		10	0.27	ug/L		04/19/25 11:54	05/02/25 19:25	1
Pyridine	ND		10	0.64	ug/L		04/19/25 11:54	05/02/25 19:25	1
Quinoline	ND		10	0.50	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/19/25 11:54	05/02/25 19:25	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/19/25 11:54	05/02/25 19:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/19/25 11:54*	*05/02/25 19:25*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/19/25 11:54*	*05/02/25 19:25*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/19/25 11:54*	*05/02/25 19:25*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/19/25 11:54*	*05/02/25 19:25*	*1*
2-Fluorophenol	*105*		*10 - 150*	*04/19/25 11:54*	*05/02/25 19:25*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/19/25 11:54*	*05/02/25 19:25*	*1*

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

Lab Sample ID: MB 400-706387/1-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706387

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	116		10 - 150	04/19/25 11:54	05/02/25 19:25	1
Terphenyl-d14	75		43 - 147	04/19/25 11:54	05/02/25 19:25	1
2,4,6-Tribromophenol	95		10 - 150	04/19/25 11:54	05/02/25 19:25	1

Lab Sample ID: LCS 400-706387/23-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	17.7		ug/L		35	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	80		15 - 150
2-Fluorophenol	97		10 - 150
Nitrobenzene-d5	96		50 - 150
Phenol-d5	102		10 - 150
Terphenyl-d14	75		43 - 147
2,4,6-Tribromophenol	67		10 - 150

Lab Sample ID: LCS 400-706387/2-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.0		ug/L		56	44 - 122
Aniline	25.0	4.68	J	ug/L		19	10 - 150
Acenaphthylene	25.0	14.4		ug/L		58	42 - 125
Anthracene	25.0	15.5		ug/L		62	51 - 136
Benzoic acid	214	380	E	ug/L		177	10 - 180
Benzo[a]anthracene	25.0	15.1		ug/L		60	50 - 138
Benzyl alcohol	25.0	3.68	J	ug/L		15	10 - 150
Benzo[a]pyrene	25.0	14.4		ug/L		58	53 - 134
Bis(2-chloroethoxy)methane	25.0	19.7		ug/L		79	60 - 123
Benzo[b]fluoranthene	25.0	15.9		ug/L		64	50 - 134
Bis(2-chloroethyl)ether	25.0	15.8		ug/L		63	45 - 127
Benzo[g,h,i]perylene	25.0	14.8		ug/L		59	42 - 138
bis (2-chloroisopropyl) ether	25.0	15.1		ug/L		60	10 - 150
Benzo[k]fluoranthene	25.0	15.0		ug/L		60	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	17.7		ug/L		71	10 - 147
4-Bromophenyl phenyl ether	25.0	14.6		ug/L		58	50 - 126
Chrysene	25.0	14.4		ug/L		57	53 - 141
Butyl benzyl phthalate	25.0	17.3		ug/L		69	36 - 137
Dibenz(a,h)anthracene	25.0	15.0		ug/L		60	41 - 139
4-Chloroaniline	25.0	8.67	J	ug/L		35	10 - 150
Fluoranthene	25.0	14.9		ug/L		60	49 - 141
4-Chloro-3-methylphenol	25.0	19.3		ug/L		77	14 - 150
Fluorene	25.0	15.5		ug/L		62	41 - 136
2-Chloronaphthalene	25.0	15.2		ug/L		61	44 - 122

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

Lab Sample ID: LCS 400-706387/2-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	17.2		ug/L		69	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.2		ug/L		61	30 - 150
1-Methylnaphthalene	25.0	14.8		ug/L		59	36 - 117
4-Chlorophenyl phenyl ether	25.0	13.8		ug/L		55	51 - 125
2-Methylnaphthalene	25.0	14.7		ug/L		59	31 - 115
Dibenz[a,h]acridine	49.9	33.2		ug/L		67	50 - 150
Dibenzofuran	25.0	15.8		ug/L		63	55 - 125
3,3'-Dichlorobenzidine	33.3	16.4		ug/L		49	10 - 150
Phenanthrene	25.0	15.4		ug/L		62	50 - 133
2,4-Dichlorophenol	25.0	17.4		ug/L		70	11 - 150
Pyrene	25.0	15.0		ug/L		60	46 - 149
Diethyl phthalate	25.0	16.8		ug/L		67	61 - 130
2,4-Dimethylphenol	25.0	0.642	J *-	ug/L		3	5 - 150
Dimethyl phthalate	25.0	15.4		ug/L		62	55 - 139
Di-n-butyl phthalate	25.0	16.9		ug/L		68	50 - 150
4,6-Dinitro-ortho-cresol	50.0	57.0		ug/L		114	10 - 150
2,4-Dinitrophenol	50.0	62.9		ug/L		126	10 - 150
2,4-Dinitrotoluene	25.0	20.0		ug/L		80	46 - 137
2,6-Dinitrotoluene	25.0	22.8		ug/L		91	35 - 150
Di-n-octyl phthalate	25.0	19.7		ug/L		79	10 - 150
1,4-Dioxane	25.0	14.9		ug/L		60	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.8	I	ug/L		63	49 - 125
Hexachlorobenzene	25.0	14.9		ug/L		60	53 - 126
Hexachlorocyclopentadiene	25.0	19.2	J	ug/L		77	10 - 150
Hexachloroethane	25.0	13.2		ug/L		53	10 - 112
Indene	50.0	25.9		ug/L		52	50 - 150
Isophorone	25.0	15.3		ug/L		61	51 - 125
2-Methylphenol	25.0	12.5		ug/L		50	42 - 120
3 & 4 Methylphenol	25.0	12.9	J	ug/L		51	10 - 150
2-Nitroaniline	25.0	22.7		ug/L		91	10 - 150
3-Nitroaniline	25.0	22.0		ug/L		88	10 - 150
4-Nitroaniline	25.0	26.1		ug/L		104	10 - 144
Nitrobenzene	25.0	16.7		ug/L		67	57 - 138
2-Nitrophenol	25.0	25.9		ug/L		103	21 - 150
4-Nitrophenol	50.0	49.7		ug/L		99	10 - 150
N-Nitrosodimethylamine	25.0	15.5		ug/L		62	10 - 136
N-Nitrosodi-n-propylamine	25.0	17.3		ug/L		69	53 - 134
N-Nitrosodiphenylamine	24.8	16.7		ug/L		67	62 - 132
Pentachlorophenol	50.0	42.4		ug/L		85	16 - 150
Phenol	25.0	22.3		ug/L		89	10 - 150
Pyridine	50.0	16.4		ug/L		33	10 - 150
Quinoline	49.9	18.9	*-	ug/L		38	50 - 150
2,4,5-Trichlorophenol	25.0	20.8		ug/L		83	10 - 150
2,4,6-Trichlorophenol	25.0	18.0		ug/L		72	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*

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

Lab Sample ID: LCS 400-706387/2-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706387

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	81		50 - 150
Terphenyl-d14	64		43 - 147
2-Fluorobiphenyl	71		15 - 150
2-Fluorophenol	90		10 - 150
Nitrobenzene-d5	81		50 - 150
Phenol-d5	88		10 - 150
Terphenyl-d14	64		43 - 147
2,4,6-Tribromophenol	85		10 - 150

Lab Sample ID: LCSD 400-706387/24-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	21.9		ug/L		44	10 - 150	21	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	88		15 - 150
2-Fluorophenol	109		10 - 150
Nitrobenzene-d5	101		50 - 150
Phenol-d5	120		10 - 150
Terphenyl-d14	82		43 - 147
2,4,6-Tribromophenol	113		10 - 150

Lab Sample ID: LCSD 400-706387/3-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	14.5		ug/L		58	44 - 122	4	40
Aniline			25.0	4.26	J	ug/L		17	10 - 150	9	40
Acenaphthylene			25.0	15.1		ug/L		60	42 - 125	4	40
Anthracene			25.0	16.5		ug/L		66	51 - 136	6	40
Benzoic acid			214	364	E	ug/L		170	10 - 180	4	40
Benzo[a]anthracene			25.0	16.1		ug/L		65	50 - 138	7	40
Benzyl alcohol			25.0	4.52	J	ug/L		18	10 - 150	20	40
Benzo[a]pyrene			25.0	14.8		ug/L		59	53 - 134	3	40
Bis(2-chloroethoxy)methane			25.0	21.0		ug/L		84	60 - 123	7	40
Benzo[b]fluoranthene			25.0	17.1		ug/L		68	50 - 134	7	40
Bis(2-chloroethyl)ether			25.0	17.1		ug/L		68	45 - 127	8	40
Benzo[g,h,i]perylene			25.0	15.4		ug/L		62	42 - 138	4	40
bis (2-chloroisopropyl) ether			25.0	16.3		ug/L		65	10 - 150	8	40
Benzo[k]fluoranthene			25.0	14.8		ug/L		59	55 - 136	1	40
Bis(2-ethylhexyl) phthalate			25.0	18.8		ug/L		75	10 - 147	6	40
4-Bromophenyl phenyl ether			25.0	15.1		ug/L		60	50 - 126	4	40
Chrysene			25.0	15.5		ug/L		62	53 - 141	7	40
Butyl benzyl phthalate			25.0	17.0		ug/L		68	36 - 137	2	40
Dibenz(a,h)anthracene			25.0	15.6		ug/L		63	41 - 139	4	40

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

Lab Sample ID: LCSD 400-706387/3-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	25.0	10.7		ug/L		43	10 - 150	21	40
Fluoranthene	25.0	15.8		ug/L		63	49 - 141	6	40
4-Chloro-3-methylphenol	25.0	17.7		ug/L		71	14 - 150	9	40
Fluorene	25.0	16.1		ug/L		65	41 - 136	4	40
2-Chloronaphthalene	25.0	16.7		ug/L		67	44 - 122	10	40
2-Chlorophenol	25.0	18.5		ug/L		74	10 - 150	7	40
Indeno[1,2,3-cd]pyrene	25.0	15.7		ug/L		63	30 - 150	4	40
1-Methylnaphthalene	25.0	15.8		ug/L		63	36 - 117	6	40
4-Chlorophenyl phenyl ether	25.0	14.4		ug/L		58	51 - 125	5	40
2-Methylnaphthalene	25.0	15.9		ug/L		64	31 - 115	8	40
Dibenz[a,h]acridine	49.9	32.3		ug/L		65	50 - 150	3	40
Dibenzofuran	25.0	16.7		ug/L		67	55 - 125	5	40
3,3'-Dichlorobenzidine	33.3	16.6		ug/L		50	10 - 150	1	40
Phenanthrene	25.0	16.1		ug/L		65	50 - 133	5	40
2,4-Dichlorophenol	25.0	19.4		ug/L		77	11 - 150	11	40
Pyrene	25.0	16.3		ug/L		65	46 - 149	8	40
Diethyl phthalate	25.0	16.6		ug/L		66	61 - 130	1	40
2,4-Dimethylphenol	25.0	0.816	J *-	ug/L		3	5 - 150	24	40
Dimethyl phthalate	25.0	15.1		ug/L		61	55 - 139	2	40
Di-n-butyl phthalate	25.0	17.3		ug/L		69	50 - 150	2	40
4,6-Dinitro-ortho-cresol	50.0	60.5		ug/L		121	10 - 150	6	40
2,4-Dinitrophenol	50.0	64.6		ug/L		129	10 - 150	3	40
2,4-Dinitrotoluene	25.0	20.8		ug/L		83	46 - 137	4	40
2,6-Dinitrotoluene	25.0	23.8		ug/L		95	35 - 150	4	40
Di-n-octyl phthalate	25.0	20.8		ug/L		83	10 - 150	6	40
1,4-Dioxane	25.0	15.7		ug/L		63	10 - 137	5	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	16.5	I	ug/L		66	49 - 125	5	40
Hexachlorobenzene	25.0	15.5		ug/L		62	53 - 126	4	40
Hexachlorocyclopentadiene	25.0	20.9		ug/L		84	10 - 150	8	40
Hexachloroethane	25.0	14.0		ug/L		56	10 - 112	6	40
Indene	50.0	25.5		ug/L		51	50 - 150	2	40
Isophorone	25.0	16.6		ug/L		66	51 - 125	8	40
2-Methylphenol	25.0	12.7		ug/L		51	42 - 120	1	40
3 & 4 Methylphenol	25.0	17.7	J	ug/L		71	10 - 150	32	40
2-Nitroaniline	25.0	23.6		ug/L		94	10 - 150	4	40
3-Nitroaniline	25.0	23.1		ug/L		92	10 - 150	5	40
4-Nitroaniline	25.0	26.8		ug/L		107	10 - 144	3	40
Nitrobenzene	25.0	17.8		ug/L		71	57 - 138	7	40
2-Nitrophenol	25.0	26.8		ug/L		107	21 - 150	4	40
4-Nitrophenol	50.0	44.4		ug/L		89	10 - 150	11	40
N-Nitrosodimethylamine	25.0	16.5		ug/L		66	10 - 136	6	40
N-Nitrosodi-n-propylamine	25.0	18.7		ug/L		75	53 - 134	8	40
N-Nitrosodiphenylamine	24.8	17.4		ug/L		70	62 - 132	4	40
Pentachlorophenol	50.0	39.7		ug/L		79	16 - 150	7	40
Phenol	25.0	24.6		ug/L		98	10 - 150	10	40
Pyridine	50.0	16.6		ug/L		33	10 - 150	1	40
Quinoline	49.9	24.6	*-	ug/L		49	50 - 150	26	40
2,4,5-Trichlorophenol	25.0	21.3		ug/L		85	10 - 150	2	40

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

Lab Sample ID: LCSD 400-706387/3-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			25.0	18.2		ug/L		73	50 - 150	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*66*		*43 - 147*
2-Fluorobiphenyl	*71*		*15 - 150*
2-Fluorophenol	*101*		*10 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Phenol-d5	*96*		*10 - 150*
Terphenyl-d14	*66*		*43 - 147*
2,4,6-Tribromophenol	*84*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706219/1-A
Matrix: Water
Analysis Batch: 706242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/18/25 07:35	04/18/25 10:26	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/18/25 07:35	04/18/25 10:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*04/18/25 07:35*	*04/18/25 10:26*	*1*

Lab Sample ID: LCS 400-706219/2-A
Matrix: Water
Analysis Batch: 706242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706219

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0720		ug/L		72	60 - 140		
1,2-Dibromoethane			0.100	0.114		ug/L		114	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*71*		*51 - 149*

Lab Sample ID: LCSD 400-706219/3-A
Matrix: Water
Analysis Batch: 706242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706219

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0678		ug/L		67	60 - 140	6	30
1,2-Dibromoethane			0.100	0.0921		ug/L		92	60 - 140	21	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*72*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/14/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	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 – 3.2.2	
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	E-MAIL: melissa.remiger@aecom.com
		AECOM Other ID: Roxana 2Q25 Groundwater	
		SAMPLER NAME(S) (Print): S.MCLEAN, E.CHALFANT	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 – 3.2.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C° 5.1 4.9IR11

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041425-8260	4/14/2025	0000	Water	2					2	X			
	TB-ROX-041425-8011	4/14/2025	0000	Water	2					2		X		
	MW13-ROX-041425	4/14/2025	0945	Water	6			4		10	X	X	X	X
	P114R-ROX-041425	4/14/2025	1050	Water	6			4		10	X	X	X	X
	MW24-ROX-041425-EB	4/14/2025	1215	Water	6			4		10	X	X	X	X
	MW24-ROX-041425	4/14/2025	1310	Water	6			4		10	X	X	X	X
	MW1-ROX-041425	4/14/2025	1400	Water	6			4		10	X	X	X	X

400-274263 Chain of Custody

04/14/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496013591/423496013617	4/14/2025	1600
		4/10/25	946

Version: 19Sept24

CUSTODY SEALS: 2779038, 2779039, 2779042, 2779043

5/14/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274263-1

Login Number: 274263
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	5.1°C, 4.9°C IR11
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: 400-274263-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274376-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/8/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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
MW14-ROX-041525 MS/MSD	VOCs	Acetone	**42/40**	4	43-150/30
MW14-ROX-041525 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**16/7**	**79**	10–150/50

Analytical data that required qualification based on MS/MSD data are included in the table below. Analytical data associated with MS/MSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-041525	VOCs	Acetone	**UJ**
MW14-ROX-041525	VOCs	2-Chloroethyl vinyl ether	**UJ**

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

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

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS/LCSD 400-706425/2-A	SVOCs	Benzyl alcohol	**0.8/2**	68	10-150/40
LCS/LCSD 400-706425/2-A	SVOCs	2-Chloronaphthalene	**188/180**	4	44-122/40
LCS/LCSD 400-706425/2-A	SVOCs	Diethyl phthalate	**59/59**	1	61-130/40
LCS/LCSD 400-706425/2-A	SVOCs	Dimethyl phthalate	**50/50**	1	55-139/40

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 associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification. Equipment blanks are quality control samples and do not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-041525	SVOCs	Benzyl alcohol	**UJ**
MW14-ROX-041525	SVOCs	Diethyl phthalate	**UJ**
MW14-ROX-041525	SVOCs	Dimethyl phthalate	**UJ**
ROST3MW-ROX-041525	SVOCs	Benzyl alcohol	**UJ**
ROST3MW-ROX-041525	SVOCs	Diethyl phthalate	**UJ**
ROST3MW-ROX-041525	SVOCs	Dimethyl phthalate	**UJ**
MW28-ROX-041525	SVOCs	Benzyl alcohol	**UJ**
MW28-ROX-041525	SVOCs	Diethyl phthalate	**UJ**
MW28-ROX-041525	SVOCs	Dimethyl phthalate	**UJ**

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.

Method 8270E (SVOCs)
Professional judgment was used to qualify, however not reject, data associated with benzyl alcohol below evaluation criteria; this has been identified as a poor-performing analyte under Method 8270.

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	X			

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	impact the usability of this data set.				
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.		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**	
	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 8270E (SVOCs)

The continuing calibration verifications (CCV) for Benzyl alcohol and 2-Methylphenol were outside evaluation criteria, biased low. The initial calibration verifications (ICV) for pyridine and benzoic acid were outside evaluation criteria, biased low. Benzyl alcohol in samples MW14-ROX-041525, MW28-ROX-041525, and ROST3MW-ROX-041525 were previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualification was required.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-041525	SVOCs	2-Methylphenol	**UJ**
ROST3MW-ROX-041525	SVOCs	2-Methylphenol	**UJ**
MW28-ROX-041525	SVOCs	2-Methylphenol	**UJ**
MW14-ROX-041525	SVOCs	Pyridine	**UJ**
ROST3MW-ROX-041525	SVOCs	Pyridine	**UJ**
MW28-ROX-041525	SVOCs	Pyridine	**UJ**
MW14-ROX-041525	SVOCs	Benzoic acid	**J**
ROST3MW-ROX-041525	SVOCs	Benzoic acid	**J**

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	X			

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	were within the applicable acceptance limits.				
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

400-274376-1

Reviewed 7/16/2025
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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Job Narrative
400-274376-1

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 4/16/2025 9:40 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 0.2°C.

GC/MS VOA
Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-707223 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 400-707223 was outside control limits. Sample matrix interference is suspected.

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-041525-8260 (400-274376-1), MW14-ROX-041525 (400-274376-3), ROST3MW-ROX-041525-EB (400-274376-4), ROST3MW-ROX-041525 (400-274376-5) and MW28-ROX-041525 (400-274376-6). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

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 400-702953 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 initial calibration verification (ICV) analyzed in batch 400-702953 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 400-706899 recovered outside acceptance criteria, low biased, for Benzyl alcohol and 2-Methylphenol. 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 continuing calibration verification (CCV) associated with batch 400-706899 recovered above the upper control limit for Butyl benzyl phthalate and N-Nitrosodi-n-propylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-706425 and analytical batch 400-706899: Benzyl alcohol, Diethyl phthalate and Dimethyl phthalate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-706425 and analytical batch 400-706899 recovered outside control limits for the following analytes: 2-Chloronaphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the

data have been reported.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706434 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Sample Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274376-1	TB-ROX-041525-8260	Water	04/15/25 00:00	04/16/25 09:40
400-274376-2	TB-ROX-041525-8011	Water	04/15/25 00:00	04/16/25 09:40
400-274376-3	MW14-ROX-041525	Water	04/15/25 10:18	04/16/25 09:40
400-274376-4	ROST3MW-ROX-041525-EB	Water	04/15/25 12:05	04/16/25 09:40
400-274376-5	ROST3MW-ROX-041525	Water	04/15/25 12:45	04/16/25 09:40
400-274376-6	MW28-ROX-041525	Water	04/15/25 13:45	04/16/25 09:40

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: TB-ROX-041525-8260 — Lab Sample ID: 400-274376-1

No Detections.

Client Sample ID: TB-ROX-041525-8011 — Lab Sample ID: 400-274376-2

No Detections.

Client Sample ID: MW14-ROX-041525 — Lab Sample ID: 400-274376-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.78	J	1.0	0.53	ug/L	1		8260D	Total/NA
Benzoic acid	32	J	29	26	ug/L	1		8270E	Total/NA

Client Sample ID: ROST3MW-ROX-041525-EB — Lab Sample ID: 400-274376-4

No Detections.

Client Sample ID: ROST3MW-ROX-041525 — Lab Sample ID: 400-274376-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzoic acid	27	J J	30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	0.19	J	0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.16	J	0.20	0.077	ug/L	1		8270E	Total/NA

Client Sample ID: MW28-ROX-041525 — Lab Sample ID: 400-274376-6

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

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: TB-ROX-041525-8260
Date Collected: 04/15/25 00:00
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-1
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			04/28/25 12:15	1
Acrolein	ND		20	3.3	ug/L			04/28/25 12:15	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 12:15	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 12:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 12:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 12:15	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 12:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 12:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 12:15	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 12:15	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 12:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/25 12:15	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 12:15	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 12:15	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 12:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 12:15	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 12:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 12:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 12:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 12:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 12:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 12:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 12:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 12:15	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 12:15	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/25 12:15	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 12:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 12:15	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/28/25 12:15	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 12:15	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 12:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 12:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 12:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 12:15	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 12:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 12:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 12:15	1

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041525-8260
Lab Sample ID: 400-274376-1
Date Collected: 04/15/25 00:00
Matrix: Water
Date Received: 04/16/25 09:40

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			04/28/25 12:15	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 12:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 12:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 12:15	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 12:15	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 12:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 12:15	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 12:15	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 12:15	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 12:15	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 12:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 12:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 12:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 12:15	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 12:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 12:15	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*04/28/25 12:15*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*04/28/25 12:15*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/28/25 12:15*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: TB-ROX-041525-8011
Date Collected: 04/15/25 00:00
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/18/25 13:54	04/21/25 17:52	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/18/25 13:54	04/21/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*51 - 149*	*04/18/25 13:54*	*04/21/25 17:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: MW14-ROX-041525
Date Collected: 04/15/25 10:18
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-3
Matrix: Water

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			04/28/25 09:49	1
Acrolein	ND		20	3.3	ug/L			04/28/25 09:49	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 09:49	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 09:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 09:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 09:49	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 09:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 09:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 09:49	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 09:49	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 09:49	1
2-Chloroethyl vinyl ether	ND	F2 F1 UJ	5.0	2.0	ug/L			04/28/25 09:49	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 09:49	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 09:49	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 09:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 09:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 09:49	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 09:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 09:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 09:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 09:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 09:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 09:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 09:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 09:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 09:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 09:49	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 09:49	1
Isopropylbenzene	**0.78**	**J**	1.0	0.53	ug/L			04/28/25 09:49	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 09:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 09:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 09:49	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/28/25 09:49	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 09:49	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 09:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 09:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 09:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 09:49	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 09:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 09:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 09:49	1

Client Sample ID: MW14-ROX-041525
Date Collected: 04/15/25 10:18
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-3
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			04/28/25 09:49	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 09:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 09:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 09:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 09:49	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 09:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 09:49	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 09:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 09:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 09:49	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 09:49	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 09:49	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 09:49	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 09:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 09:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 09:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 09:49	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 09:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 09:49	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/28/25 09:49*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*04/28/25 09:49*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/28/25 09:49*	*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	0.082	ug/L		04/20/25 14:27	04/24/25 22:46	1
Aniline	ND		9.6	0.71	ug/L		04/20/25 14:27	04/24/25 22:46	1
Acenaphthylene	ND		0.19	0.045	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzenethiol	ND		9.6	0.58	ug/L		04/20/25 14:27	04/24/25 22:46	1
Anthracene	ND		0.19	0.070	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzoic acid	32	J	29	26	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzyl alcohol	ND	*- *1 UJ	9.6	1.8	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzo[a]pyrene	ND		0.19	0.043	ug/L		04/20/25 14:27	04/24/25 22:46	1
Bis(2-chloroethoxy)methane	ND		9.6	0.33	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		04/20/25 14:27	04/24/25 22:46	1
Bis(2-chloroethyl)ether	ND		9.6	0.14	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		04/20/25 14:27	04/24/25 22:46	1
bis (2-chloroisopropyl) ether	ND		9.6	0.19	ug/L		04/20/25 14:27	04/24/25 22:46	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		04/20/25 14:27	04/24/25 22:46	1
Bis(2-ethylhexyl) phthalate	ND		9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Bromophenyl phenyl ether	ND		9.6	0.13	ug/L		04/20/25 14:27	04/24/25 22:46	1
Chrysene	ND		0.19	0.038	ug/L		04/20/25 14:27	04/24/25 22:46	1
Butyl benzyl phthalate	ND		9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
Dibenz(a,h)anthracene	ND		0.19	0.042	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Chloroaniline	ND		9.6	0.27	ug/L		04/20/25 14:27	04/24/25 22:46	1

Client Sample ID: MW14-ROX-041525
Date Collected: 04/15/25 10:18
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.19	0.031	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Chloro-3-methylphenol	ND		9.6	0.70	ug/L		04/20/25 14:27	04/24/25 22:46	1
Fluorene	ND		0.19	0.084	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Chloronaphthalene	ND	*+	9.6	0.37	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Chlorophenol	ND		9.6	0.21	ug/L		04/20/25 14:27	04/24/25 22:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		04/20/25 14:27	04/24/25 22:46	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Chlorophenyl phenyl ether	ND		9.6	0.23	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		04/20/25 14:27	04/24/25 22:46	1
Dibenz[a,h]acridine	ND		9.6	0.67	ug/L		04/20/25 14:27	04/24/25 22:46	1
Dibenzofuran	ND		9.6	0.14	ug/L		04/20/25 14:27	04/24/25 22:46	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/20/25 14:27	04/24/25 22:46	1
Phenanthrene	ND		0.19	0.042	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4-Dichlorophenol	ND		9.6	0.55	ug/L		04/20/25 14:27	04/24/25 22:46	1
Pyrene	ND		0.19	0.092	ug/L		04/20/25 14:27	04/24/25 22:46	1
Diethyl phthalate	ND	*- UJ	9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4-Dimethylphenol	ND		9.6	0.23	ug/L		04/20/25 14:27	04/24/25 22:46	1
Dimethyl phthalate	ND	*- UJ	9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
Di-n-butyl phthalate	ND		9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4-Dinitrotoluene	ND		9.6	0.63	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,6-Dinitrotoluene	ND		9.6	0.28	ug/L		04/20/25 14:27	04/24/25 22:46	1
Di-n-octyl phthalate	ND		9.6	3.9	ug/L		04/20/25 14:27	04/24/25 22:46	1
1,4-Dioxane	ND		9.6	0.068	ug/L		04/20/25 14:27	04/24/25 22:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.31	ug/L		04/20/25 14:27	04/24/25 22:46	1
Hexachlorobenzene	ND		9.6	0.24	ug/L		04/20/25 14:27	04/24/25 22:46	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		04/20/25 14:27	04/24/25 22:46	1
Hexachloroethane	ND		9.6	0.51	ug/L		04/20/25 14:27	04/24/25 22:46	1
Indene	ND		9.6	0.42	ug/L		04/20/25 14:27	04/24/25 22:46	1
Isophorone	ND		9.6	0.77	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Methylphenol	ND	UJ	9.6	0.29	ug/L		04/20/25 14:27	04/24/25 22:46	1
3 & 4 Methylphenol	ND		19	0.17	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Nitroaniline	ND		9.6	1.3	ug/L		04/20/25 14:27	04/24/25 22:46	1
3-Nitroaniline	ND		9.6	0.92	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Nitroaniline	ND		9.6	1.2	ug/L		04/20/25 14:27	04/24/25 22:46	1
Nitrobenzene	ND		9.6	0.58	ug/L		04/20/25 14:27	04/24/25 22:46	1
2-Nitrophenol	ND		9.6	1.1	ug/L		04/20/25 14:27	04/24/25 22:46	1
4-Nitrophenol	ND		9.6	2.6	ug/L		04/20/25 14:27	04/24/25 22:46	1
N-Nitrosodimethylamine	ND		9.6	0.22	ug/L		04/20/25 14:27	04/24/25 22:46	1
N-Nitrosodi-n-propylamine	ND		9.6	0.32	ug/L		04/20/25 14:27	04/24/25 22:46	1
N-Nitrosodiphenylamine	ND		9.6	0.18	ug/L		04/20/25 14:27	04/24/25 22:46	1
Pentachlorophenol	ND		9.6	0.40	ug/L		04/20/25 14:27	04/24/25 22:46	1
Phenol	ND		9.6	0.26	ug/L		04/20/25 14:27	04/24/25 22:46	1
Pyridine	ND	*- UJ	9.6	0.62	ug/L		04/20/25 14:27	04/24/25 22:46	1
Quinoline	ND		9.6	0.48	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4,5-Trichlorophenol	ND		9.6	0.52	ug/L		04/20/25 14:27	04/24/25 22:46	1
2,4,6-Trichlorophenol	ND		9.6	1.1	ug/L		04/20/25 14:27	04/24/25 22:46	1

Client Sample ID: MW14-ROX-041525
Lab Sample ID: 400-274376-3
Date Collected: 04/15/25 10:18
Matrix: Water
Date Received: 04/16/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
2-Fluorobiphenyl	*85*		*15 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
2-Fluorophenol	*89*		*10 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
Phenol-d5	*88*		*10 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/20/25 14:27*	*04/24/25 22:46*	*1*
2,4,6-Tribromophenol	*34*		*10 - 150*	*04/20/25 14:27*	*04/24/25 22:46*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.019	ug/L		04/18/25 13:54	04/21/25 18:13	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/18/25 13:54	04/21/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*51 - 149*	*04/18/25 13:54*	*04/21/25 18:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: ROST3MW-ROX-041525-EB
Date Collected: 04/15/25 12:05
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-4
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			04/28/25 09:24	1
Acrolein	ND		20	3.3	ug/L			04/28/25 09:24	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 09:24	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 09:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 09:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 09:24	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 09:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 09:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 09:24	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 09:24	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 09:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/25 09:24	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 09:24	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 09:24	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 09:24	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 09:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 09:24	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 09:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 09:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 09:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 09:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 09:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 09:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 09:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 09:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 09:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 09:24	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 09:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/25 09:24	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 09:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 09:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 09:24	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/28/25 09:24	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 09:24	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 09:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 09:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 09:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 09:24	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 09:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 09:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 09:24	1

Client Sample ID: ROST3MW-ROX-041525-EB
Date Collected: 04/15/25 12:05
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-4
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			04/28/25 09:24	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 09:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 09:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 09:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 09:24	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 09:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 09:24	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 09:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 09:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 09:24	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 09:24	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 09:24	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 09:24	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 09:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 09:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 09:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 09:24	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 09:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 09:24	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/28/25 09:24*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/28/25 09:24*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*04/28/25 09:24*	*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	0.085	ug/L		04/20/25 14:27	04/24/25 23:16	1
Aniline	ND		10	0.74	ug/L		04/20/25 14:27	04/24/25 23:16	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzenethiol	ND		10	0.60	ug/L		04/20/25 14:27	04/24/25 23:16	1
Anthracene	ND		0.20	0.073	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzoic acid	ND		30	27	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzyl alcohol	ND	*- *1	10	1.8	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/20/25 14:27	04/24/25 23:16	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/20/25 14:27	04/24/25 23:16	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/20/25 14:27	04/24/25 23:16	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/20/25 14:27	04/24/25 23:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/20/25 14:27	04/24/25 23:16	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/20/25 14:27	04/24/25 23:16	1
Chrysene	ND		0.20	0.039	ug/L		04/20/25 14:27	04/24/25 23:16	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Chloroaniline	ND		10	0.28	ug/L		04/20/25 14:27	04/24/25 23:16	1

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST3MW-ROX-041525-EB
Lab Sample ID: 400-274376-4
Date Collected: 04/15/25 12:05
Matrix: Water
Date Received: 04/16/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/20/25 14:27	04/24/25 23:16	1
Fluorene	ND		0.20	0.087	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Chlorophenol	ND		10	0.22	ug/L		04/20/25 14:27	04/24/25 23:16	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/20/25 14:27	04/24/25 23:16	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/20/25 14:27	04/24/25 23:16	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/20/25 14:27	04/24/25 23:16	1
Dibenzofuran	ND		10	0.15	ug/L		04/20/25 14:27	04/24/25 23:16	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/20/25 14:27	04/24/25 23:16	1
Phenanthrene	ND		0.20	0.044	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/20/25 14:27	04/24/25 23:16	1
Pyrene	ND		0.20	0.095	ug/L		04/20/25 14:27	04/24/25 23:16	1
Diethyl phthalate	ND	*-	10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/20/25 14:27	04/24/25 23:16	1
Dimethyl phthalate	ND	*-	10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/20/25 14:27	04/24/25 23:16	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:16	1
1,4-Dioxane	ND		10	0.070	ug/L		04/20/25 14:27	04/24/25 23:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/20/25 14:27	04/24/25 23:16	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/20/25 14:27	04/24/25 23:16	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/20/25 14:27	04/24/25 23:16	1
Hexachloroethane	ND		10	0.53	ug/L		04/20/25 14:27	04/24/25 23:16	1
Indene	ND		10	0.44	ug/L		04/20/25 14:27	04/24/25 23:16	1
Isophorone	ND		10	0.80	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Methylphenol	ND		10	0.30	ug/L		04/20/25 14:27	04/24/25 23:16	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Nitroaniline	ND		10	1.4	ug/L		04/20/25 14:27	04/24/25 23:16	1
3-Nitroaniline	ND		10	0.95	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Nitroaniline	ND		10	1.2	ug/L		04/20/25 14:27	04/24/25 23:16	1
Nitrobenzene	ND		10	0.60	ug/L		04/20/25 14:27	04/24/25 23:16	1
2-Nitrophenol	ND		10	1.2	ug/L		04/20/25 14:27	04/24/25 23:16	1
4-Nitrophenol	ND		10	2.7	ug/L		04/20/25 14:27	04/24/25 23:16	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/20/25 14:27	04/24/25 23:16	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/20/25 14:27	04/24/25 23:16	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/20/25 14:27	04/24/25 23:16	1
Pentachlorophenol	ND		10	0.41	ug/L		04/20/25 14:27	04/24/25 23:16	1
Phenol	ND		10	0.27	ug/L		04/20/25 14:27	04/24/25 23:16	1
Pyridine	ND	*-	10	0.64	ug/L		04/20/25 14:27	04/24/25 23:16	1
Quinoline	ND		10	0.50	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/20/25 14:27	04/24/25 23:16	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/20/25 14:27	04/24/25 23:16	1

Client Sample ID: ROST3MW-ROX-041525-EB
Lab Sample ID: 400-274376-4
Date Collected: 04/15/25 12:05
Matrix: Water
Date Received: 04/16/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
2-Fluorobiphenyl	*88*		*15 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
2-Fluorophenol	*94*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
Nitrobenzene-d5	*92*		*50 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
Phenol-d5	*57*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/20/25 14:27*	*04/24/25 23:16*	*1*
2,4,6-Tribromophenol	*77*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:16*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/18/25 13:54	04/21/25 18:34	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/18/25 13:54	04/21/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*		*51 - 149*	*04/18/25 13:54*	*04/21/25 18:34*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: ROST3MW-ROX-041525
Date Collected: 04/15/25 12:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-5
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			04/28/25 10:13	1
Acrolein	ND		20	3.3	ug/L			04/28/25 10:13	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 10:13	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 10:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 10:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 10:13	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 10:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 10:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 10:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 10:13	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 10:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/25 10:13	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 10:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 10:13	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 10:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 10:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 10:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 10:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 10:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 10:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 10:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 10:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 10:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 10:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 10:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 10:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 10:13	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 10:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/25 10:13	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 10:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 10:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 10:13	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/28/25 10:13	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 10:13	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 10:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 10:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 10:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 10:13	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 10:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 10:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 10:13	1

Client Sample ID: ROST3MW-ROX-041525
Date Collected: 04/15/25 12:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-5
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			04/28/25 10:13	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 10:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 10:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 10:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 10:13	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 10:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 10:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 10:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 10:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 10:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 10:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 10:13	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 10:13	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 10:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 10:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 10:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 10:13	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 10:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 10:13	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*56 - 136*		*04/28/25 10:13*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/28/25 10:13*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*04/28/25 10:13*	*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		04/20/25 14:27	04/24/25 23:46	1
Aniline	ND		10	0.74	ug/L		04/20/25 14:27	04/24/25 23:46	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzenethiol	ND		10	0.60	ug/L		04/20/25 14:27	04/24/25 23:46	1
Anthracene	ND		0.20	0.073	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzoic acid	**27**	J J	30	27	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzyl alcohol	ND	*- *1 UJ	10	1.8	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/20/25 14:27	04/24/25 23:46	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/20/25 14:27	04/24/25 23:46	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/20/25 14:27	04/24/25 23:46	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/20/25 14:27	04/24/25 23:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/20/25 14:27	04/24/25 23:46	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/20/25 14:27	04/24/25 23:46	1
Chrysene	ND		0.20	0.039	ug/L		04/20/25 14:27	04/24/25 23:46	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Chloroaniline	ND		10	0.28	ug/L		04/20/25 14:27	04/24/25 23:46	1

Client Sample ID: ROST3MW-ROX-041525
Date Collected: 04/15/25 12:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/20/25 14:27	04/24/25 23:46	1
Fluorene	ND		0.20	0.087	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Chloronaphthalene	ND	*+	10	0.38	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Chlorophenol	ND		10	0.22	ug/L		04/20/25 14:27	04/24/25 23:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/20/25 14:27	04/24/25 23:46	1
1-Methylnaphthalene	**0.19**	**J**	0.20	0.066	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Methylnaphthalene	**0.16**	**J**	0.20	0.077	ug/L		04/20/25 14:27	04/24/25 23:46	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/20/25 14:27	04/24/25 23:46	1
Dibenzofuran	ND		10	0.15	ug/L		04/20/25 14:27	04/24/25 23:46	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/20/25 14:27	04/24/25 23:46	1
Phenanthrene	ND		0.20	0.044	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/20/25 14:27	04/24/25 23:46	1
Pyrene	ND		0.20	0.095	ug/L		04/20/25 14:27	04/24/25 23:46	1
Diethyl phthalate	ND	*- UJ	10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/20/25 14:27	04/24/25 23:46	1
Dimethyl phthalate	ND	*- UJ	10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/20/25 14:27	04/24/25 23:46	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/20/25 14:27	04/24/25 23:46	1
1,4-Dioxane	ND		10	0.070	ug/L		04/20/25 14:27	04/24/25 23:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/20/25 14:27	04/24/25 23:46	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/20/25 14:27	04/24/25 23:46	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/20/25 14:27	04/24/25 23:46	1
Hexachloroethane	ND		10	0.53	ug/L		04/20/25 14:27	04/24/25 23:46	1
Indene	ND		10	0.44	ug/L		04/20/25 14:27	04/24/25 23:46	1
Isophorone	ND		10	0.80	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/20/25 14:27	04/24/25 23:46	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Nitroaniline	ND		10	1.4	ug/L		04/20/25 14:27	04/24/25 23:46	1
3-Nitroaniline	ND		10	0.95	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Nitroaniline	ND		10	1.2	ug/L		04/20/25 14:27	04/24/25 23:46	1
Nitrobenzene	ND		10	0.60	ug/L		04/20/25 14:27	04/24/25 23:46	1
2-Nitrophenol	ND		10	1.2	ug/L		04/20/25 14:27	04/24/25 23:46	1
4-Nitrophenol	ND		10	2.7	ug/L		04/20/25 14:27	04/24/25 23:46	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/20/25 14:27	04/24/25 23:46	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/20/25 14:27	04/24/25 23:46	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/20/25 14:27	04/24/25 23:46	1
Pentachlorophenol	ND		10	0.41	ug/L		04/20/25 14:27	04/24/25 23:46	1
Phenol	ND		10	0.27	ug/L		04/20/25 14:27	04/24/25 23:46	1
Pyridine	ND	*- UJ	10	0.64	ug/L		04/20/25 14:27	04/24/25 23:46	1
Quinoline	ND		10	0.50	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/20/25 14:27	04/24/25 23:46	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/20/25 14:27	04/24/25 23:46	1

Client Sample ID: ROST3MW-ROX-041525
Lab Sample ID: 400-274376-5
Date Collected: 04/15/25 12:45
Matrix: Water
Date Received: 04/16/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
2-Fluorophenol	*85*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
Phenol-d5	*102*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/20/25 14:27*	*04/24/25 23:46*	*1*
2,4,6-Tribromophenol	*49*		*10 - 150*	*04/20/25 14:27*	*04/24/25 23:46*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/18/25 13:54	04/21/25 18:55	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/18/25 13:54	04/21/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/18/25 13:54*	*04/21/25 18:55*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Client Sample ID: MW28-ROX-041525
Date Collected: 04/15/25 13:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-6
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			04/28/25 10:37	1
Acrolein	ND		20	3.3	ug/L			04/28/25 10:37	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 10:37	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 10:37	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 10:37	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 10:37	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 10:37	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 10:37	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 10:37	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 10:37	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 10:37	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/25 10:37	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 10:37	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 10:37	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 10:37	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 10:37	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 10:37	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 10:37	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 10:37	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 10:37	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 10:37	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 10:37	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 10:37	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 10:37	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 10:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 10:37	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 10:37	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 10:37	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/25 10:37	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 10:37	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 10:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 10:37	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.22	ug/L			04/28/25 10:37	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 10:37	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 10:37	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 10:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 10:37	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 10:37	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 10:37	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 10:37	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 10:37	1

Client Sample ID: MW28-ROX-041525
Date Collected: 04/15/25 13:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-6
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			04/28/25 10:37	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 10:37	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 10:37	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 10:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 10:37	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 10:37	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 10:37	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 10:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 10:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 10:37	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 10:37	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 10:37	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 10:37	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 10:37	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 10:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 10:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 10:37	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 10:37	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 10:37	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*56 - 136*		*04/28/25 10:37*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/28/25 10:37*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*04/28/25 10:37*	*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		04/20/25 14:27	04/25/25 00:16	1
Aniline	ND		9.7	0.72	ug/L		04/20/25 14:27	04/25/25 00:16	1
Acenaphthylene	ND		0.19	0.046	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzenethiol	ND		9.7	0.58	ug/L		04/20/25 14:27	04/25/25 00:16	1
Anthracene	ND		0.19	0.071	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzoic acid	ND	J	29	26	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzyl alcohol	ND	*- *1 UJ	9.7	1.8	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		04/20/25 14:27	04/25/25 00:16	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		04/20/25 14:27	04/25/25 00:16	1
Bis(2-chloroethyl)ether	ND		9.7	0.14	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzo[g,h,i]perylene	ND		0.19	0.051	ug/L		04/20/25 14:27	04/25/25 00:16	1
bis (2-chloroisopropyl) ether	ND		9.7	0.19	ug/L		04/20/25 14:27	04/25/25 00:16	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		04/20/25 14:27	04/25/25 00:16	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		04/20/25 14:27	04/25/25 00:16	1
Chrysene	ND		0.19	0.038	ug/L		04/20/25 14:27	04/25/25 00:16	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Chloroaniline	ND		9.7	0.27	ug/L		04/20/25 14:27	04/25/25 00:16	1

Client Sample ID: MW28-ROX-041525
Date Collected: 04/15/25 13:45
Date Received: 04/16/25 09:40

Lab Sample ID: 400-274376-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.19	0.031	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		04/20/25 14:27	04/25/25 00:16	1
Fluorene	ND		0.19	0.085	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Chloronaphthalene	ND	*+	9.7	0.37	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Chlorophenol	ND		9.7	0.21	ug/L		04/20/25 14:27	04/25/25 00:16	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		04/20/25 14:27	04/25/25 00:16	1
1-Methylnaphthalene	ND		0.19	0.064	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		04/20/25 14:27	04/25/25 00:16	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		04/20/25 14:27	04/25/25 00:16	1
Dibenzofuran	ND		9.7	0.15	ug/L		04/20/25 14:27	04/25/25 00:16	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/20/25 14:27	04/25/25 00:16	1
Phenanthrene	ND		0.19	0.043	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4-Dichlorophenol	ND		9.7	0.56	ug/L		04/20/25 14:27	04/25/25 00:16	1
Pyrene	ND		0.19	0.093	ug/L		04/20/25 14:27	04/25/25 00:16	1
Diethyl phthalate	ND	*- UJ	9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		04/20/25 14:27	04/25/25 00:16	1
Dimethyl phthalate	ND	*- UJ	9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		04/20/25 14:27	04/25/25 00:16	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		04/20/25 14:27	04/25/25 00:16	1
1,4-Dioxane	ND		9.7	0.068	ug/L		04/20/25 14:27	04/25/25 00:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.31	ug/L		04/20/25 14:27	04/25/25 00:16	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		04/20/25 14:27	04/25/25 00:16	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		04/20/25 14:27	04/25/25 00:16	1
Hexachloroethane	ND		9.7	0.52	ug/L		04/20/25 14:27	04/25/25 00:16	1
Indene	ND		9.7	0.43	ug/L		04/20/25 14:27	04/25/25 00:16	1
Isophorone	ND		9.7	0.78	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Methylphenol	ND	UJ	9.7	0.29	ug/L		04/20/25 14:27	04/25/25 00:16	1
3 & 4 Methylphenol	ND		19	0.18	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Nitroaniline	ND		9.7	1.3	ug/L		04/20/25 14:27	04/25/25 00:16	1
3-Nitroaniline	ND		9.7	0.93	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Nitroaniline	ND		9.7	1.2	ug/L		04/20/25 14:27	04/25/25 00:16	1
Nitrobenzene	ND		9.7	0.58	ug/L		04/20/25 14:27	04/25/25 00:16	1
2-Nitrophenol	ND		9.7	1.1	ug/L		04/20/25 14:27	04/25/25 00:16	1
4-Nitrophenol	ND		9.7	2.7	ug/L		04/20/25 14:27	04/25/25 00:16	1
N-Nitrosodimethylamine	ND		9.7	0.22	ug/L		04/20/25 14:27	04/25/25 00:16	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		04/20/25 14:27	04/25/25 00:16	1
N-Nitrosodiphenylamine	ND		9.7	0.19	ug/L		04/20/25 14:27	04/25/25 00:16	1
Pentachlorophenol	ND		9.7	0.40	ug/L		04/20/25 14:27	04/25/25 00:16	1
Phenol	ND		9.7	0.26	ug/L		04/20/25 14:27	04/25/25 00:16	1
Pyridine	ND	*- UJ	9.7	0.62	ug/L		04/20/25 14:27	04/25/25 00:16	1
Quinoline	ND		9.7	0.49	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4,5-Trichlorophenol	ND		9.7	0.53	ug/L		04/20/25 14:27	04/25/25 00:16	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		04/20/25 14:27	04/25/25 00:16	1

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW28-ROX-041525
Lab Sample ID: 400-274376-6
Date Collected: 04/15/25 13:45
Matrix: Water
Date Received: 04/16/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
Terphenyl-d14	*81*		*43 - 147*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
2-Fluorobiphenyl	*91*		*15 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
2-Fluorophenol	*92*		*10 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
Phenol-d5	*80*		*10 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
Terphenyl-d14	*81*		*43 - 147*	*04/20/25 14:27*	*04/25/25 00:16*	*1*
2,4,6-Tribromophenol	*59*		*10 - 150*	*04/20/25 14:27*	*04/25/25 00:16*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/18/25 13:54	04/21/25 19:17	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/18/25 13:54	04/21/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*67*		*51 - 149*	*04/18/25 13:54*	*04/21/25 19:17*	*1*

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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274376-1

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)
400-274376-1	TB-ROX-041525-8260	106	95	101
400-274376-3	MW14-ROX-041525	108	95	100
400-274376-3 MS	MW14-ROX-041525	106	95	100
400-274376-3 MSD	MW14-ROX-041525	109	94	102
400-274376-4	ROST3MW-ROX-041525-EB	107	92	99
400-274376-5	ROST3MW-ROX-041525	106	92	98
400-274376-6	MW28-ROX-041525	107	93	102
LCS 400-707223/1002	Lab Control Sample	108	95	100
MB 400-707223/4	Method Blank	109	92	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274376-3	MW14-ROX-041525	85	85	87	87	74	74	89	88
400-274376-4	ROST3MW-ROX-041525-EB	88	88	92	92	87	87	94	57
400-274376-5	ROST3MW-ROX-041525	80	80	89	89	71	71	85	102
400-274376-6	MW28-ROX-041525	91	91	87	87	81	81	92	80
LCS 400-706425/2-A	Lab Control Sample	80	80	82	82	68	68	94	84
LCS 400-706425/4-A	Lab Control Sample	82	82	92	92	74	74	107	89
LCSD 400-706425/3-A	Lab Control Sample Dup	77	77	83	83	65	65	96	82
LCSD 400-706425/5-A	Lab Control Sample Dup	83	83	85	85	80	80	94	55
MB 400-706425/1-A	Method Blank	83	83	88	88	74	74	107	92

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274376-3	MW14-ROX-041525	34
400-274376-4	ROST3MW-ROX-041525-EB	77
400-274376-5	ROST3MW-ROX-041525	49
400-274376-6	MW28-ROX-041525	59
LCS 400-706425/2-A	Lab Control Sample	80
LCS 400-706425/4-A	Lab Control Sample	88
LCSD 400-706425/3-A	Lab Control Sample Dup	86
LCSD 400-706425/5-A	Lab Control Sample Dup	78
MB 400-706425/1-A	Method Blank	94

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274376-2	TB-ROX-041525-8011	87
400-274376-3	MW14-ROX-041525	76
400-274376-4	ROST3MW-ROX-041525-EB	79
400-274376-5	ROST3MW-ROX-041525	71
400-274376-6	MW28-ROX-041525	67
LCS 400-706306/2-A	Lab Control Sample	99
LCSD 400-706306/3-A	Lab Control Sample Dup	91
MB 400-706306/1-A	Method Blank	120

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274376-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041525-8260
Lab Sample ID: 400-274376-1
Date Collected: 04/15/25 00:00
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 12:15	WPD	EET PEN

Client Sample ID: TB-ROX-041525-8011
Lab Sample ID: 400-274376-2
Date Collected: 04/15/25 00:00
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.4 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 17:52	KR	EET PEN

Client Sample ID: MW14-ROX-041525
Lab Sample ID: 400-274376-3
Date Collected: 04/15/25 10:18
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 09:49	WPD	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 22:46	DS	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 22:46	DS	EET PEN
Total/NA	Prep	8011			32 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 18:13	KR	EET PEN

Client Sample ID: ROST3MW-ROX-041525-EB
Lab Sample ID: 400-274376-4
Date Collected: 04/15/25 12:05
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 09:24	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 23:16	DS	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 23:16	DS	EET PEN
Total/NA	Prep	8011			34.5 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 18:34	KR	EET PEN

Client Sample ID: ROST3MW-ROX-041525
Lab Sample ID: 400-274376-5
Date Collected: 04/15/25 12:45
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 10:13	WPD	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 23:46	DS	EET PEN

Client Sample ID: ROST3MW-ROX-041525
Lab Sample ID: 400-274376-5

Date Collected: 04/15/25 12:45
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.1 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 23:46	DS	EET PEN
Total/NA	Prep	8011			34.5 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 18:55	KR	EET PEN

Client Sample ID: MW28-ROX-041525
Lab Sample ID: 400-274376-6

Date Collected: 04/15/25 13:45
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 10:37	WPD	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/25/25 00:16	DS	EET PEN
Total/NA	Prep	3511			30.8 mL	2 mL	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/25/25 00:16	DS	EET PEN
Total/NA	Prep	8011			33.5 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 19:17	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706306/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 10:08	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706425/1-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	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 16:14	DS	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 16:14	DS	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707223/4

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	707223	04/28/25 07:47	WPD	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706306/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 10:29	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706425/2-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	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 16:44	DS	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 16:44	DS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706425/4-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	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 19:16	DS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707223/1002
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	707223	04/28/25 06:52	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706306/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706306	04/18/25 13:54	KR	EET PEN
Total/NA	Analysis	8011		1			706434	04/21/25 10:49	KR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706425/3-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	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706898	04/24/25 17:15	DS	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706425	04/20/25 14:26	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 17:15	DS	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274376-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706425/5-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	706425	04/20/25 14:27	RAW	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	706899	04/24/25 19:46	DS	EET PEN

Client Sample ID: MW14-ROX-041525
Lab Sample ID: 400-274376-3 MS
Date Collected: 04/15/25 10:18
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 11:02	WPD	EET PEN

Client Sample ID: MW14-ROX-041525
Lab Sample ID: 400-274376-3 MSD
Date Collected: 04/15/25 10:18
Matrix: Water
Date Received: 04/16/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707223	04/28/25 11:26	WPD	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 707223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-1	TB-ROX-041525-8260	Total/NA	Water	8260D	
400-274376-3	MW14-ROX-041525	Total/NA	Water	8260D	
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	8260D	
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	8260D	
400-274376-6	MW28-ROX-041525	Total/NA	Water	8260D	
MB 400-707223/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707223/1002	Lab Control Sample	Total/NA	Water	8260D	
400-274376-3 MS	MW14-ROX-041525	Total/NA	Water	8260D	
400-274376-3 MSD	MW14-ROX-041525	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-3	MW14-ROX-041525	Total/NA	Water	3511	
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	3511	
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	3511	
400-274376-6	MW28-ROX-041525	Total/NA	Water	3511	
MB 400-706425/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706425/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706425/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706425/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706425/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 706898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-3	MW14-ROX-041525	Total/NA	Water	8270E	706425
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	8270E	706425
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	8270E	706425
400-274376-6	MW28-ROX-041525	Total/NA	Water	8270E	706425
MB 400-706425/1-A	Method Blank	Total/NA	Water	8270E	706425
LCS 400-706425/2-A	Lab Control Sample	Total/NA	Water	8270E	706425
LCSD 400-706425/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706425

Analysis Batch: 706899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-3	MW14-ROX-041525	Total/NA	Water	8270E	706425
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	8270E	706425
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	8270E	706425
400-274376-6	MW28-ROX-041525	Total/NA	Water	8270E	706425
MB 400-706425/1-A	Method Blank	Total/NA	Water	8270E	706425
LCS 400-706425/2-A	Lab Control Sample	Total/NA	Water	8270E	706425
LCS 400-706425/4-A	Lab Control Sample	Total/NA	Water	8270E	706425
LCSD 400-706425/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706425
LCSD 400-706425/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	706425

GC Semi VOA

Prep Batch: 706306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-2	TB-ROX-041525-8011	Total/NA	Water	8011	
400-274376-3	MW14-ROX-041525	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 706306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	8011	
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	8011	
400-274376-6	MW28-ROX-041525	Total/NA	Water	8011	
MB 400-706306/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706306/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706306/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 706434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274376-2	TB-ROX-041525-8011	Total/NA	Water	8011	706306
400-274376-3	MW14-ROX-041525	Total/NA	Water	8011	706306
400-274376-4	ROST3MW-ROX-041525-EB	Total/NA	Water	8011	706306
400-274376-5	ROST3MW-ROX-041525	Total/NA	Water	8011	706306
400-274376-6	MW28-ROX-041525	Total/NA	Water	8011	706306
MB 400-706306/1-A	Method Blank	Total/NA	Water	8011	706306
LCS 400-706306/2-A	Lab Control Sample	Total/NA	Water	8011	706306
LCSD 400-706306/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706306

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

Lab Sample ID: MB 400-707223/4
Matrix: Water
Analysis Batch: 707223

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/28/25 07:47	1
Acrolein	ND		20	3.3	ug/L			04/28/25 07:47	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/25 07:47	1
Benzene	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/25 07:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/25 07:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Bromoform	ND		5.0	0.25	ug/L			04/28/25 07:47	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/25 07:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/25 07:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/28/25 07:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/28/25 07:47	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/25 07:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/25 07:47	1
Chloroform	ND		1.0	0.90	ug/L			04/28/25 07:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/28/25 07:47	1
Chloromethane	ND		1.0	0.40	ug/L			04/28/25 07:47	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/28/25 07:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/25 07:47	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/28/25 07:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/25 07:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/25 07:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/25 07:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/25 07:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/28/25 07:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 07:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/28/25 07:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/25 07:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/25 07:47	1
2-Hexanone	ND		25	4.3	ug/L			04/28/25 07:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/25 07:47	1
Methylene bromide	ND		5.0	0.22	ug/L			04/28/25 07:47	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/25 07:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/25 07:47	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/28/25 07:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/28/25 07:47	1
Naphthalene	ND		5.0	3.0	ug/L			04/28/25 07:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/25 07:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/25 07:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/25 07:47	1
o-Xylene	ND		5.0	3.0	ug/L			04/28/25 07:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/25 07:47	1

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

Lab Sample ID: MB 400-707223/4
Matrix: Water
Analysis Batch: 707223

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/25 07:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/28/25 07:47	1
Styrene	ND		1.0	1.0	ug/L			04/28/25 07:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/25 07:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/28/25 07:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/28/25 07:47	1
Toluene	ND		1.0	0.90	ug/L			04/28/25 07:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/25 07:47	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/28/25 07:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/28/25 07:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/25 07:47	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/28/25 07:47	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/28/25 07:47	1
Trichloroethene	ND		1.0	0.15	ug/L			04/28/25 07:47	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/28/25 07:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/25 07:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/25 07:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/25 07:47	1
Vinyl acetate	ND		25	0.93	ug/L			04/28/25 07:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/25 07:47	1
Xylenes, Total	ND		10	6.0	ug/L			04/28/25 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*56 - 136*		*04/28/25 07:47*	*1*
Dibromofluoromethane	*92*		*79 - 130*		*04/28/25 07:47*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*04/28/25 07:47*	*1*

Lab Sample ID: LCS 400-707223/1002
Matrix: Water
Analysis Batch: 707223

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	229		ug/L		114	43 - 150
Acrolein	500	490		ug/L		98	38 - 150
Acrylonitrile	500	516		ug/L		103	64 - 142
Benzene	50.0	49.4		ug/L		99	70 - 130
Bromobenzene	50.0	48.6		ug/L		97	70 - 132
Bromochloromethane	50.0	48.6		ug/L		97	70 - 130
Bromodichloromethane	50.0	47.8		ug/L		96	67 - 133
Bromoform	50.0	44.1		ug/L		88	57 - 140
Bromomethane	50.0	46.9		ug/L		94	10 - 150
2-Butanone (MEK)	200	184		ug/L		92	61 - 145
Carbon disulfide	50.0	49.3		ug/L		99	61 - 137
Carbon tetrachloride	50.0	43.3		ug/L		87	61 - 137
Chlorobenzene	50.0	48.9		ug/L		98	70 - 130
Chloroethane	50.0	52.3		ug/L		105	55 - 141
2-Chloroethyl vinyl ether	50.0	42.7		ug/L		85	10 - 150

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

Lab Sample ID: LCS 400-707223/1002
Matrix: Water
Analysis Batch: 707223

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	48.2		ug/L		96	69 - 130
1-Chlorohexane	50.0	51.4		ug/L		103	69 - 130
Chloromethane	50.0	49.8		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	53.3		ug/L		107	68 - 130
cis-1,3-Dichloropropene	50.0	49.4		ug/L		99	69 - 132
Dibromochloromethane	50.0	46.4		ug/L		93	67 - 135
1,2-Dichlorobenzene	50.0	52.2		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	38.2		ug/L		76	41 - 146
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	42.1		ug/L		84	69 - 130
1,1-Dichloroethene	50.0	57.2		ug/L		114	63 - 134
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	44.9		ug/L		90	52 - 135
1,1-Dichloropropene	50.0	48.0		ug/L		96	70 - 130
Ethylbenzene	50.0	50.1		ug/L		100	70 - 130
Ethyl methacrylate	50.0	49.1		ug/L		98	68 - 130
Hexachlorobutadiene	50.0	47.9		ug/L		96	53 - 140
2-Hexanone	200	217		ug/L		108	65 - 137
Isopropylbenzene	50.0	49.8		ug/L		100	70 - 130
Methylene bromide	50.0	47.1		ug/L		94	70 - 130
Methylene Chloride	50.0	51.9		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	189		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	48.6		ug/L		97	66 - 130
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	70 - 130
Naphthalene	50.0	39.0		ug/L		78	47 - 149
n-Butylbenzene	50.0	57.3		ug/L		115	67 - 130
N-Propylbenzene	50.0	55.6		ug/L		111	70 - 130
o-Chlorotoluene	50.0	55.0		ug/L		110	70 - 130
o-Xylene	50.0	49.6		ug/L		99	70 - 130
p-Chlorotoluene	50.0	53.9		ug/L		108	70 - 130
p-Isopropyltoluene	50.0	53.5		ug/L		107	65 - 130
sec-Butylbenzene	50.0	55.4		ug/L		111	66 - 130
Styrene	50.0	48.3		ug/L		97	70 - 130
tert-Butylbenzene	50.0	52.7		ug/L		105	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.9		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 131
Tetrachloroethene	50.0	45.2		ug/L		90	65 - 130
Toluene	50.0	49.6		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	40.9		ug/L		82	60 - 138
1,2,4-Trichlorobenzene	50.0	44.2		ug/L		88	60 - 140
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	68 - 130
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130
Trichloroethene	50.0	47.0		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	45.6		ug/L		91	65 - 138

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

Lab Sample ID: LCS 400-707223/1002
Matrix: Water
Analysis Batch: 707223

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			50.0	47.1		ug/L		94	70 - 130		
1,2,4-Trimethylbenzene			50.0	52.7		ug/L		105	70 - 130		
1,3,5-Trimethylbenzene			50.0	54.9		ug/L		110	69 - 130		
Vinyl acetate			100	96.3		ug/L		96	26 - 150		
Vinyl chloride			50.0	47.0		ug/L		94	59 - 136		
Xylenes, Total			100	98.5		ug/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-274376-3 MS
Matrix: Water
Analysis Batch: 707223

Client Sample ID: MW14-ROX-041525
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	ND	F1	200	83.3	F1	ug/L		42	43 - 150		
Acrolein	ND		500	525		ug/L		105	38 - 150		
Acrylonitrile	ND		500	523		ug/L		105	62 - 149		
Benzene	ND		50.0	45.0		ug/L		90	56 - 142		
Bromobenzene	ND		50.0	41.2		ug/L		82	59 - 136		
Bromochloromethane	ND		50.0	45.0		ug/L		90	64 - 140		
Bromodichloromethane	ND		50.0	41.6		ug/L		83	59 - 143		
Bromoform	ND		50.0	39.9		ug/L		80	50 - 140		
Bromomethane	ND		50.0	40.7		ug/L		81	10 - 150		
2-Butanone (MEK)	ND		200	112		ug/L		56	55 - 150		
Carbon disulfide	ND		50.0	43.9		ug/L		88	48 - 150		
Carbon tetrachloride	ND		50.0	40.0		ug/L		80	55 - 145		
Chlorobenzene	ND		50.0	42.1		ug/L		84	64 - 130		
Chloroethane	ND		50.0	45.3		ug/L		91	50 - 150		
2-Chloroethyl vinyl ether	ND	F2 F1	50.0	7.96		ug/L		16	10 - 150		
Chloroform	ND		50.0	43.9		ug/L		88	60 - 141		
1-Chlorohexane	ND		50.0	43.8		ug/L		88	56 - 136		
Chloromethane	ND		50.0	52.0		ug/L		104	49 - 148		
cis-1,2-Dichloroethene	ND		50.0	61.4		ug/L		123	59 - 143		
cis-1,3-Dichloropropene	ND		50.0	44.7		ug/L		89	57 - 140		
Dibromochloromethane	ND		50.0	42.7		ug/L		85	56 - 143		
1,2-Dichlorobenzene	ND		50.0	41.8		ug/L		84	52 - 137		
1,3-Dichlorobenzene	ND		50.0	41.5		ug/L		83	54 - 135		
1,4-Dichlorobenzene	ND		50.0	40.4		ug/L		81	53 - 135		
Dichlorodifluoromethane	ND		50.0	47.2		ug/L		94	16 - 150		
1,1-Dichloroethane	ND		50.0	46.0		ug/L		92	61 - 144		
1,2-Dichloroethane	ND		50.0	39.5		ug/L		79	60 - 141		
1,1-Dichloroethene	ND		50.0	51.7		ug/L		103	54 - 147		
1,2-Dichloropropane	ND		50.0	47.1		ug/L		94	66 - 137		
1,3-Dichloropropane	ND		50.0	46.9		ug/L		94	66 - 133		
2,2-Dichloropropane	ND		50.0	41.2		ug/L		82	42 - 144		

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

Lab Sample ID: 400-274376-3 MS
Matrix: Water
Analysis Batch: 707223

Client Sample ID: MW14-ROX-041525
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	42.4		ug/L		85	65 - 136
Ethylbenzene	ND		50.0	42.7		ug/L		85	58 - 131
Ethyl methacrylate	ND		50.0	48.8		ug/L		98	64 - 130
Hexachlorobutadiene	ND		50.0	36.0		ug/L		72	31 - 149
2-Hexanone	ND		200	140		ug/L		70	65 - 140
Isopropylbenzene	0.78	J	50.0	42.8		ug/L		84	56 - 133
Methylene bromide	ND		50.0	44.9		ug/L		90	63 - 138
Methylene Chloride	ND		50.0	49.2		ug/L		98	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	181		ug/L		91	63 - 146
Methyl tert-butyl ether	ND		50.0	49.0		ug/L		98	59 - 137
m-Xylene & p-Xylene	ND		50.0	41.2		ug/L		82	57 - 130
Naphthalene	ND		50.0	37.8		ug/L		76	25 - 150
n-Butylbenzene	ND		50.0	44.7		ug/L		89	41 - 142
N-Propylbenzene	ND		50.0	44.5		ug/L		89	51 - 138
o-Chlorotoluene	ND		50.0	44.4		ug/L		89	53 - 134
o-Xylene	ND		50.0	42.1		ug/L		84	61 - 130
p-Chlorotoluene	ND		50.0	43.6		ug/L		87	54 - 133
p-Isopropyltoluene	ND		50.0	42.4		ug/L		85	48 - 139
sec-Butylbenzene	ND		50.0	44.6		ug/L		89	50 - 138
Styrene	ND		50.0	40.5		ug/L		81	58 - 131
tert-Butylbenzene	ND		50.0	43.4		ug/L		87	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	41.7		ug/L		83	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	49.3		ug/L		99	66 - 135
Tetrachloroethene	ND		50.0	38.6		ug/L		77	52 - 133
Toluene	ND		50.0	43.8		ug/L		88	65 - 130
trans-1,2-Dichloroethene	ND		50.0	46.0		ug/L		92	61 - 143
trans-1,3-Dichloropropene	ND		50.0	43.7		ug/L		87	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	35.2		ug/L		70	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	36.1		ug/L		72	39 - 148
1,1,1-Trichloroethane	ND		50.0	42.0		ug/L		84	57 - 142
1,1,2-Trichloroethane	ND		50.0	47.6		ug/L		95	66 - 131
Trichloroethene	ND		50.0	43.6		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	44.7		ug/L		89	54 - 150
1,2,3-Trichloropropane	ND		50.0	49.2		ug/L		98	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	42.5		ug/L		85	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	44.2		ug/L		88	52 - 135
Vinyl acetate	ND		100	114		ug/L		114	26 - 150
Vinyl chloride	ND		50.0	49.5		ug/L		99	46 - 150
Xylenes, Total	ND		100	83.2		ug/L		83	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*56 - 136*
Dibromofluoromethane	*95*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

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

Lab Sample ID: 400-274376-3 MSD
Matrix: Water
Analysis Batch: 707223

Client Sample ID: MW14-ROX-041525
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	80.0	F1	ug/L		40	43 - 150	4	30
Acrolein	ND		500	521		ug/L		104	38 - 150	1	31
Acrylonitrile	ND		500	549		ug/L		110	62 - 149	5	30
Benzene	ND		50.0	48.8		ug/L		98	56 - 142	8	30
Bromobenzene	ND		50.0	46.3		ug/L		93	59 - 136	12	30
Bromochloromethane	ND		50.0	46.1		ug/L		92	64 - 140	2	30
Bromodichloromethane	ND		50.0	44.5		ug/L		89	59 - 143	7	30
Bromoform	ND		50.0	41.6		ug/L		83	50 - 140	4	30
Bromomethane	ND		50.0	46.0		ug/L		92	10 - 150	12	50
2-Butanone (MEK)	ND		200	109		ug/L		55	55 - 150	3	30
Carbon disulfide	ND		50.0	48.3		ug/L		97	48 - 150	10	30
Carbon tetrachloride	ND		50.0	41.8		ug/L		84	55 - 145	4	30
Chlorobenzene	ND		50.0	47.2		ug/L		94	64 - 130	12	30
Chloroethane	ND		50.0	50.0		ug/L		100	50 - 150	10	30
2-Chloroethyl vinyl ether	ND	F2 F1	50.0	3.45	J F2 F1	ug/L		7	10 - 150	79	50
Chloroform	ND		50.0	45.7		ug/L		91	60 - 141	4	30
1-Chlorohexane	ND		50.0	50.0		ug/L		100	56 - 136	13	30
Chloromethane	ND		50.0	54.7		ug/L		109	49 - 148	5	31
cis-1,2-Dichloroethene	ND		50.0	51.3		ug/L		103	59 - 143	18	30
cis-1,3-Dichloropropene	ND		50.0	47.1		ug/L		94	57 - 140	5	30
Dibromochloromethane	ND		50.0	45.2		ug/L		90	56 - 143	6	30
1,2-Dichlorobenzene	ND		50.0	46.8		ug/L		94	52 - 137	11	30
1,3-Dichlorobenzene	ND		50.0	47.3		ug/L		95	54 - 135	13	30
1,4-Dichlorobenzene	ND		50.0	45.3		ug/L		91	53 - 135	11	30
Dichlorodifluoromethane	ND		50.0	44.2		ug/L		88	16 - 150	7	31
1,1-Dichloroethane	ND		50.0	50.3		ug/L		101	61 - 144	9	30
1,2-Dichloroethane	ND		50.0	41.0		ug/L		82	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	49.1		ug/L		98	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	49.7		ug/L		99	66 - 137	5	30
1,3-Dichloropropane	ND		50.0	48.0		ug/L		96	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	43.4		ug/L		87	42 - 144	5	31
1,1-Dichloropropene	ND		50.0	46.1		ug/L		92	65 - 136	9	30
Ethylbenzene	ND		50.0	48.4		ug/L		97	58 - 131	12	30
Ethyl methacrylate	ND		50.0	51.6		ug/L		103	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	39.1		ug/L		78	31 - 149	8	36
2-Hexanone	ND		200	139		ug/L		70	65 - 140	0	30
Isopropylbenzene	0.78	J	50.0	48.1		ug/L		95	56 - 133	12	30
Methylene bromide	ND		50.0	47.3		ug/L		95	63 - 138	5	30
Methylene Chloride	ND		50.0	54.4		ug/L		109	60 - 146	10	32
4-Methyl-2-pentanone (MIBK)	ND		200	181		ug/L		90	63 - 146	0	30
Methyl tert-butyl ether	ND		50.0	49.5		ug/L		99	59 - 137	1	30
m-Xylene & p-Xylene	ND		50.0	46.4		ug/L		93	57 - 130	12	30
Naphthalene	ND		50.0	38.5		ug/L		77	25 - 150	2	30
n-Butylbenzene	ND		50.0	51.9		ug/L		104	41 - 142	15	31
N-Propylbenzene	ND		50.0	52.3		ug/L		105	51 - 138	16	30
o-Chlorotoluene	ND		50.0	50.9		ug/L		102	53 - 134	14	30
o-Xylene	ND		50.0	47.4		ug/L		95	61 - 130	12	30
p-Chlorotoluene	ND		50.0	48.7		ug/L		97	54 - 133	11	30

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

Lab Sample ID: 400-274376-3 MSD
Matrix: Water
Analysis Batch: 707223

Client Sample ID: MW14-ROX-041525
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	49.2		ug/L		98	48 - 139	15	30
sec-Butylbenzene	ND		50.0	51.5		ug/L		103	50 - 138	14	30
Styrene	ND		50.0	45.7		ug/L		91	58 - 131	12	30
tert-Butylbenzene	ND		50.0	49.1		ug/L		98	54 - 146	12	30
1,1,1,2-Tetrachloroethane	ND		50.0	43.9		ug/L		88	59 - 137	5	30
1,1,2,2-Tetrachloroethane	ND		50.0	52.5		ug/L		105	66 - 135	6	30
Tetrachloroethene	ND		50.0	43.2		ug/L		86	52 - 133	11	30
Toluene	ND		50.0	49.2		ug/L		98	65 - 130	12	30
trans-1,2-Dichloroethene	ND		50.0	50.8		ug/L		102	61 - 143	10	30
trans-1,3-Dichloropropene	ND		50.0	46.4		ug/L		93	53 - 133	6	30
1,2,3-Trichlorobenzene	ND		50.0	35.8		ug/L		72	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	37.4		ug/L		75	39 - 148	3	30
1,1,1-Trichloroethane	ND		50.0	44.9		ug/L		90	57 - 142	7	30
1,1,2-Trichloroethane	ND		50.0	51.0		ug/L		102	66 - 131	7	30
Trichloroethene	ND		50.0	45.8		ug/L		92	64 - 136	5	30
Trichlorofluoromethane	ND		50.0	47.7		ug/L		95	54 - 150	7	30
1,2,3-Trichloropropane	ND		50.0	49.5		ug/L		99	65 - 133	0	30
1,2,4-Trimethylbenzene	ND		50.0	49.6		ug/L		99	50 - 139	16	30
1,3,5-Trimethylbenzene	ND		50.0	50.9		ug/L		102	52 - 135	14	30
Vinyl acetate	ND		100	103		ug/L		103	26 - 150	10	33
Vinyl chloride	ND		50.0	50.7		ug/L		101	46 - 150	2	30
Xylenes, Total	ND		100	93.8		ug/L		94	59 - 130	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*56 - 136*
Dibromofluoromethane	*94*		*79 - 130*
Toluene-d8 (Surr)	*102*		*64 - 132*

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

Lab Sample ID: MB 400-706425/1-A
Matrix: Water
Analysis Batch: 706898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/20/25 14:26	04/24/25 16:14	1
Aniline	ND		10	0.74	ug/L		04/20/25 14:26	04/24/25 16:14	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzenethiol	ND		10	0.60	ug/L		04/20/25 14:26	04/24/25 16:14	1
Anthracene	ND		0.20	0.073	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzoic acid	ND		30	27	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzyl alcohol	ND		10	1.9	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/20/25 14:26	04/24/25 16:14	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/20/25 14:26	04/24/25 16:14	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/20/25 14:26	04/24/25 16:14	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/20/25 14:26	04/24/25 16:14	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/20/25 14:26	04/24/25 16:14	1

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

Lab Sample ID: MB 400-706425/1-A
Matrix: Water
Analysis Batch: 706898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/20/25 14:26	04/24/25 16:14	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/20/25 14:26	04/24/25 16:14	1
Chrysene	ND		0.20	0.039	ug/L		04/20/25 14:26	04/24/25 16:14	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Chloroaniline	ND		10	0.28	ug/L		04/20/25 14:26	04/24/25 16:14	1
Fluoranthene	ND		0.20	0.032	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/20/25 14:26	04/24/25 16:14	1
Fluorene	ND		0.20	0.087	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Chlorophenol	ND		10	0.22	ug/L		04/20/25 14:26	04/24/25 16:14	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/20/25 14:26	04/24/25 16:14	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/20/25 14:26	04/24/25 16:14	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/20/25 14:26	04/24/25 16:14	1
Dibenzofuran	ND		10	0.15	ug/L		04/20/25 14:26	04/24/25 16:14	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/20/25 14:26	04/24/25 16:14	1
Phenanthrene	ND		0.20	0.044	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/20/25 14:26	04/24/25 16:14	1
Pyrene	ND		0.20	0.095	ug/L		04/20/25 14:26	04/24/25 16:14	1
Diethyl phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/20/25 14:26	04/24/25 16:14	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/20/25 14:26	04/24/25 16:14	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/20/25 14:26	04/24/25 16:14	1
1,4-Dioxane	ND		10	0.070	ug/L		04/20/25 14:26	04/24/25 16:14	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/20/25 14:26	04/24/25 16:14	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/20/25 14:26	04/24/25 16:14	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/20/25 14:26	04/24/25 16:14	1
Hexachloroethane	ND		10	0.53	ug/L		04/20/25 14:26	04/24/25 16:14	1
Indene	ND		10	0.44	ug/L		04/20/25 14:26	04/24/25 16:14	1
Isophorone	ND		10	0.80	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Methylphenol	ND		10	0.30	ug/L		04/20/25 14:26	04/24/25 16:14	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Nitroaniline	ND		10	1.4	ug/L		04/20/25 14:26	04/24/25 16:14	1
3-Nitroaniline	ND		10	0.95	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Nitroaniline	ND		10	1.2	ug/L		04/20/25 14:26	04/24/25 16:14	1
Nitrobenzene	ND		10	0.60	ug/L		04/20/25 14:26	04/24/25 16:14	1
2-Nitrophenol	ND		10	1.2	ug/L		04/20/25 14:26	04/24/25 16:14	1
4-Nitrophenol	ND		10	2.7	ug/L		04/20/25 14:26	04/24/25 16:14	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/20/25 14:26	04/24/25 16:14	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/20/25 14:26	04/24/25 16:14	1

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

Lab Sample ID: MB 400-706425/1-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/20/25 14:26	04/24/25 16:14	1
Pentachlorophenol	ND		10	0.41	ug/L		04/20/25 14:26	04/24/25 16:14	1
Phenol	ND		10	0.27	ug/L		04/20/25 14:26	04/24/25 16:14	1
Pyridine	ND		10	0.64	ug/L		04/20/25 14:26	04/24/25 16:14	1
Quinoline	ND		10	0.50	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/20/25 14:26	04/24/25 16:14	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/20/25 14:26	04/24/25 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
2-Fluorophenol	*107*		*10 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
Phenol-d5	*92*		*10 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/20/25 14:26*	*04/24/25 16:14*	*1*
2,4,6-Tribromophenol	*94*		*10 - 150*	*04/20/25 14:26*	*04/24/25 16:14*	*1*

Lab Sample ID: LCS 400-706425/2-A
Matrix: Water
Analysis Batch: 706898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	15.9		ug/L		63	44 - 122
Aniline	25.0	13.4		ug/L		54	10 - 150
Acenaphthylene	25.0	16.5		ug/L		66	42 - 125
Anthracene	25.0	16.8		ug/L		67	51 - 136
Benzoic acid	214	229		ug/L		107	10 - 180
Benzo[a]anthracene	25.0	17.5		ug/L		70	50 - 138
Benzyl alcohol	25.0	ND	*-	ug/L		0.8	10 - 150
Benzo[a]pyrene	25.0	16.2		ug/L		65	53 - 134
Bis(2-chloroethoxy)methane	25.0	18.6		ug/L		74	60 - 123
Benzo[b]fluoranthene	25.0	17.7		ug/L		71	50 - 134
Bis(2-chloroethyl)ether	25.0	17.3		ug/L		69	45 - 127
Benzo[g,h,i]perylene	25.0	16.1		ug/L		64	42 - 138
bis (2-chloroisopropyl) ether	25.0	17.1		ug/L		68	10 - 150
Benzo[k]fluoranthene	25.0	15.9		ug/L		63	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	15.1		ug/L		60	10 - 147
4-Bromophenyl phenyl ether	25.0	17.9		ug/L		72	50 - 126
Chrysene	25.0	17.1		ug/L		68	53 - 141
Butyl benzyl phthalate	25.0	13.3		ug/L		53	36 - 137
Dibenz(a,h)anthracene	25.0	16.1		ug/L		65	41 - 139
4-Chloroaniline	25.0	13.4		ug/L		53	10 - 150
Fluoranthene	25.0	16.8		ug/L		67	49 - 141
4-Chloro-3-methylphenol	25.0	14.1		ug/L		56	14 - 150
Fluorene	25.0	18.8		ug/L		75	41 - 136
2-Chloronaphthalene	25.0	46.9	*+	ug/L		188	44 - 122

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

Lab Sample ID: LCS 400-706425/2-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	17.6		ug/L		70	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	16.1		ug/L		64	30 - 150
1-Methylnaphthalene	25.0	15.9		ug/L		64	36 - 117
4-Chlorophenyl phenyl ether	25.0	15.9		ug/L		63	51 - 125
2-Methylnaphthalene	25.0	16.7		ug/L		67	31 - 115
Dibenz[a,h]acridine	49.9	36.6		ug/L		73	50 - 150
Dibenzofuran	25.0	17.1		ug/L		69	55 - 125
3,3'-Dichlorobenzidine	33.3	21.6		ug/L		65	10 - 150
Phenanthrene	25.0	16.1		ug/L		64	50 - 133
2,4-Dichlorophenol	25.0	15.8		ug/L		63	11 - 150
Pyrene	25.0	16.1		ug/L		65	46 - 149
Diethyl phthalate	25.0	14.6	*-	ug/L		59	61 - 130
2,4-Dimethylphenol	25.0	5.41	J	ug/L		22	5 - 150
Dimethyl phthalate	25.0	12.5	*-	ug/L		50	55 - 139
Di-n-butyl phthalate	25.0	15.9		ug/L		64	50 - 150
4,6-Dinitro-ortho-cresol	50.0	38.7		ug/L		77	10 - 150
2,4-Dinitrophenol	50.0	32.0		ug/L		64	10 - 150
2,4-Dinitrotoluene	25.0	18.7		ug/L		75	46 - 137
2,6-Dinitrotoluene	25.0	18.4		ug/L		74	35 - 150
Di-n-octyl phthalate	25.0	17.7		ug/L		71	10 - 150
1,4-Dioxane	25.0	17.0		ug/L		68	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.5	I	ug/L		70	49 - 125
Hexachlorobenzene	25.0	16.7		ug/L		67	53 - 126
Hexachlorocyclopentadiene	25.0	17.5	J	ug/L		70	10 - 150
Hexachloroethane	25.0	13.8		ug/L		55	10 - 112
Indene	50.0	30.8		ug/L		62	50 - 150
Isophorone	25.0	18.2		ug/L		73	51 - 125
2-Methylphenol	25.0	13.2		ug/L		53	42 - 120
3 & 4 Methylphenol	25.0	23.8		ug/L		95	10 - 150
2-Nitroaniline	25.0	19.1		ug/L		76	10 - 150
3-Nitroaniline	25.0	21.5		ug/L		86	10 - 150
4-Nitroaniline	25.0	26.2		ug/L		105	10 - 144
Nitrobenzene	25.0	18.0		ug/L		72	57 - 138
2-Nitrophenol	25.0	16.8		ug/L		67	21 - 150
4-Nitrophenol	50.0	41.1		ug/L		82	10 - 150
N-Nitrosodimethylamine	25.0	18.0		ug/L		72	10 - 136
N-Nitrosodi-n-propylamine	25.0	19.7		ug/L		79	53 - 134
N-Nitrosodiphenylamine	24.8	17.6		ug/L		71	62 - 132
Pentachlorophenol	50.0	38.5		ug/L		77	16 - 150
Phenol	25.0	23.5		ug/L		94	10 - 150
Pyridine	50.0	14.8		ug/L		30	10 - 150
Quinoline	49.9	39.3		ug/L		79	50 - 150
2,4,5-Trichlorophenol	25.0	17.5		ug/L		70	10 - 150
2,4,6-Trichlorophenol	25.0	18.1		ug/L		72	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*

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

Lab Sample ID: LCS 400-706425/2-A
Matrix: Water
Analysis Batch: 706898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706425

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	82		50 - 150
Terphenyl-d14	68		43 - 147
2-Fluorobiphenyl	80		15 - 150
2-Fluorophenol	94		10 - 150
Nitrobenzene-d5	82		50 - 150
Phenol-d5	84		10 - 150
Terphenyl-d14	68		43 - 147
2,4,6-Tribromophenol	80		10 - 150

Lab Sample ID: LCS 400-706425/4-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706425

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	22.4		ug/L		45	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	82		15 - 150
2-Fluorophenol	107		10 - 150
Nitrobenzene-d5	92		50 - 150
Phenol-d5	89		10 - 150
Terphenyl-d14	74		43 - 147
2,4,6-Tribromophenol	88		10 - 150

Lab Sample ID: LCSD 400-706425/3-A
Matrix: Water
Analysis Batch: 706898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706425

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	16.0		ug/L		64	44 - 122	1	40
Aniline			25.0	12.6		ug/L		50	10 - 150	6	40
Acenaphthylene			25.0	16.8		ug/L		67	42 - 125	1	40
Anthracene			25.0	16.9		ug/L		68	51 - 136	0	40
Benzoic acid			214	278	E	ug/L		130	10 - 180	19	40
Benzo[a]anthracene			25.0	17.5		ug/L		70	50 - 138	0	40
Benzyl alcohol			25.0	ND	*- *1	ug/L		2	10 - 150	68	40
Benzo[a]pyrene			25.0	16.3		ug/L		65	53 - 134	1	40
Bis(2-chloroethoxy)methane			25.0	18.7		ug/L		75	60 - 123	1	40
Benzo[b]fluoranthene			25.0	17.7		ug/L		71	50 - 134	0	40
Bis(2-chloroethyl)ether			25.0	17.3		ug/L		69	45 - 127	0	40
Benzo[g,h,i]perylene			25.0	16.4		ug/L		66	42 - 138	2	40
bis (2-chloroisopropyl) ether			25.0	17.5		ug/L		70	10 - 150	3	40
Benzo[k]fluoranthene			25.0	16.5		ug/L		66	55 - 136	4	40
Bis(2-ethylhexyl) phthalate			25.0	14.7		ug/L		59	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	17.7		ug/L		71	50 - 126	1	40
Chrysene			25.0	16.5		ug/L		66	53 - 141	3	40
Butyl benzyl phthalate			25.0	13.3		ug/L		53	36 - 137	0	40
Dibenz(a,h)anthracene			25.0	16.3		ug/L		65	41 - 139	1	40

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

Lab Sample ID: LCSD 400-706425/3-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	25.0	13.5		ug/L		54	10 - 150	1	40
Fluoranthene	25.0	16.5		ug/L		66	49 - 141	1	40
4-Chloro-3-methylphenol	25.0	13.7		ug/L		55	14 - 150	3	40
Fluorene	25.0	19.0		ug/L		76	41 - 136	1	40
2-Chloronaphthalene	25.0	45.1	*+	ug/L		180	44 - 122	4	40
2-Chlorophenol	25.0	18.0		ug/L		72	10 - 150	2	40
Indeno[1,2,3-cd]pyrene	25.0	16.2		ug/L		65	30 - 150	1	40
1-Methylnaphthalene	25.0	16.0		ug/L		64	36 - 117	1	40
4-Chlorophenyl phenyl ether	25.0	15.9		ug/L		64	51 - 125	1	40
2-Methylnaphthalene	25.0	16.8		ug/L		67	31 - 115	1	40
Dibenz[a,h]acridine	49.9	34.0		ug/L		68	50 - 150	7	40
Dibenzofuran	25.0	17.2		ug/L		69	55 - 125	1	40
3,3'-Dichlorobenzidine	33.3	21.4		ug/L		64	10 - 150	1	40
Phenanthrene	25.0	15.9		ug/L		64	50 - 133	1	40
2,4-Dichlorophenol	25.0	15.4		ug/L		61	11 - 150	3	40
Pyrene	25.0	16.1		ug/L		64	46 - 149	0	40
Diethyl phthalate	25.0	14.7	*-	ug/L		59	61 - 130	1	40
2,4-Dimethylphenol	25.0	4.88	J	ug/L		20	5 - 150	10	40
Dimethyl phthalate	25.0	12.4	*-	ug/L		50	55 - 139	1	40
Di-n-butyl phthalate	25.0	15.7		ug/L		63	50 - 150	1	40
4,6-Dinitro-ortho-cresol	50.0	41.0		ug/L		82	10 - 150	6	40
2,4-Dinitrophenol	50.0	34.6		ug/L		69	10 - 150	8	40
2,4-Dinitrotoluene	25.0	18.6		ug/L		74	46 - 137	0	40
2,6-Dinitrotoluene	25.0	18.7		ug/L		75	35 - 150	2	40
Di-n-octyl phthalate	25.0	17.6		ug/L		70	10 - 150	1	40
1,4-Dioxane	25.0	16.2		ug/L		65	10 - 137	5	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.6	I	ug/L		70	49 - 125	0	40
Hexachlorobenzene	25.0	16.5		ug/L		66	53 - 126	1	40
Hexachlorocyclopentadiene	25.0	17.7	J	ug/L		71	10 - 150	1	40
Hexachloroethane	25.0	14.5		ug/L		58	10 - 112	5	40
Indene	50.0	45.0		ug/L		90	50 - 150	38	40
Isophorone	25.0	18.1		ug/L		72	51 - 125	0	40
2-Methylphenol	25.0	12.7		ug/L		51	42 - 120	4	40
3 & 4 Methylphenol	25.0	23.2		ug/L		93	10 - 150	3	40
2-Nitroaniline	25.0	19.6		ug/L		79	10 - 150	3	40
3-Nitroaniline	25.0	21.4		ug/L		86	10 - 150	0	40
4-Nitroaniline	25.0	26.1		ug/L		105	10 - 144	0	40
Nitrobenzene	25.0	18.2		ug/L		73	57 - 138	1	40
2-Nitrophenol	25.0	17.5		ug/L		70	21 - 150	4	40
4-Nitrophenol	50.0	44.3		ug/L		89	10 - 150	8	40
N-Nitrosodimethylamine	25.0	17.5		ug/L		70	10 - 136	3	40
N-Nitrosodi-n-propylamine	25.0	20.5		ug/L		82	53 - 134	4	40
N-Nitrosodiphenylamine	24.8	17.5		ug/L		71	62 - 132	1	40
Pentachlorophenol	50.0	38.4		ug/L		77	16 - 150	0	40
Phenol	25.0	23.8		ug/L		95	10 - 150	1	40
Pyridine	50.0	12.4		ug/L		25	10 - 150	17	40
Quinoline	49.9	34.4		ug/L		69	50 - 150	13	40
2,4,5-Trichlorophenol	25.0	16.2		ug/L		65	10 - 150	8	40

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

Lab Sample ID: LCSD 400-706425/3-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706425

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			25.0	17.8		ug/L		71	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*15 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Terphenyl-d14	*65*		*43 - 147*
2-Fluorobiphenyl	*77*		*15 - 150*
2-Fluorophenol	*96*		*10 - 150*
Nitrobenzene-d5	*83*		*50 - 150*
Phenol-d5	*82*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*86*		*10 - 150*

Lab Sample ID: LCSD 400-706425/5-A
Matrix: Water
Analysis Batch: 706899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706425

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	22.4		ug/L		45	10 - 150	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*15 - 150*
2-Fluorophenol	*94*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Phenol-d5	*55*		*10 - 150*
Terphenyl-d14	*80*		*43 - 147*
2,4,6-Tribromophenol	*78*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706306/1-A
Matrix: Water
Analysis Batch: 706434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/18/25 13:54	04/21/25 10:08	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/18/25 13:54	04/21/25 10:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*120*		*51 - 149*	*04/18/25 13:54*	*04/21/25 10:08*	*1*

Lab Sample ID: LCS 400-706306/2-A
Matrix: Water
Analysis Batch: 706434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706306

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.126		ug/L		125	60 - 140		
1,2-Dibromoethane			0.100	0.106		ug/L		106	60 - 140		

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

Lab Sample ID: LCS 400-706306/2-A
Matrix: Water
Analysis Batch: 706434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706306

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: LCSD 400-706306/3-A
Matrix: Water
Analysis Batch: 706434

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706306

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.115		ug/L		114	60 - 140	9	30
1,2-Dibromoethane			0.100	0.103		ug/L		103	60 - 140	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/15/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	USPC/00114/R/02	

SAMPLING COMPANY:	LOG CODE:
AECOM	

SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
900 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60738191 – 3.2.2

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 2Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, E.CHALFANT, 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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041525-8260	4/15/2025	0000	Water	2					2	X			
	TB-ROX-041525-8011	4/15/2025	0000	Water	2					2		X		
	MW14-ROX-041525	4/15/2025	1018	Water	6			4		10	X	X	X	X
	ROST3MW-ROX-041525-EB	4/15/2025	1205	Water	6			4		10	X	X	X	X
	ROST3MW-ROX-041525	4/15/2025	1245	Water	6			4		10	X	X	X	X
	MW28-ROX-041525	4/15/2025	1345	Water	6			4		10	X	X	X	X

400-274376 Chain of Custody

GDL 04/15/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
E.CHALFANT	FEDEX: 423496013569	4/15/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/16/25	Time: 940

Version: 19Sept24

CUSTODY SEALS:
2779034 ; 2779035

0.2°C IR6

4/29/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274376-1

Login Number: 274376
List Number: 1
Creator: Pardonner, Brett

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	0.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274376-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274444-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/10/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/18/2025

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 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Benzoic acid	**185/182**	2	10-180/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Aniline	11/**8**	**32**	10-150/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Indene	**43**/51	17	50-150/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	N-Nitrosodiphenylamine	**60/60**	0	62-132/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Quinoline	**40/39**	4	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.

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

Method 8270E (SVOCs)Sample ID	**Parameter**	**Analyte**	**Qualification**
ROST4PZE-ROX-041625	SVOCs	Aniline	**UJ**
ROST4PZC-ROX-041625	SVOCs	Aniline	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	Aniline	**UJ**
MW2-ROX-041625	SVOCs	Aniline	**UJ**
ROST4PZG-ROX-041625	SVOCs	Aniline	**UJ**
ROST4PZE-ROX-041625	SVOCs	Indene	**UJ**
ROST4PZC-ROX-041625	SVOCs	Indene	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	Indene	**UJ**
MW2-ROX-041625	SVOCs	Indene	**UJ**
ROST4PZG-ROX-041625	SVOCs	Indene	**UJ**
ROST4PZE-ROX-041625	SVOCs	N-Nitrosodiphenylamine	**UJ**
ROST4PZC-ROX-041625	SVOCs	N-Nitrosodiphenylamine	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	N-Nitrosodiphenylamine	**UJ**
MW2-ROX-041625	SVOCs	N-Nitrosodiphenylamine	**UJ**
ROST4PZG-ROX-041625	SVOCs	N-Nitrosodiphenylamine	**UJ**
ROST4PZE-ROX-041625	SVOCs	Quinoline	**UJ**
ROST4PZC-ROX-041625	SVOCs	Quinoline	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	Quinoline	**UJ**
MW2-ROX-041625	SVOCs	Quinoline	**UJ**
ROST4PZG-ROX-041625	SVOCs	Quinoline	**UJ**
MW2-ROX-041625	SVOCs	Benzoic acid	**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			The laboratory report was revised on June 17, 2025, to revise reported false positive results.
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 was outside evaluation criteria, biased low. Trip blanks are quality control samples that do not require qualification. **Method 8270E (VOCs)**					

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

The initial calibration verification (ICV) for benzoic acid recovered outside evaluation criteria, biased high. Benzoic acid in sample MW2-ROX-041625 was previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualifications was required. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low.

Method 8011 (VOCs)

The continuous calibration verification (CCV) for 1,2-dibromo-3-chloropropane was outside evaluation criteria, biased low. Trip blanks are quality control samples that do not require qualification.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-041625	VOCs	Chloroethane	**UJ**
ROST4PZE-ROX-041625	VOCs	Chloroethane	**UJ**
ROST4PZC-ROX-041625	VOCs	Chloroethane	**UJ**
ROST4PZC-ROX-041625-DUP	VOCs	Chloroethane	**UJ**
ROST4PZG-ROX-041625	VOCs	Chloroethane	**UJ**
MW2-ROX-041625	SVOCs	Benzyl alcohol	**UJ**
MW2-ROX-041625	SVOCs	2-Methylphenol	**UJ**
MW2-ROX-041625	SVOCs	4-Chloro-3-methylphenol	**UJ**
MW2-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
MW2-ROX-041625	SVOCs	4-Nitrophenol	**UJ**
ROST4PZE-ROX-041625	SVOCs	Benzyl alcohol	**UJ**
ROST4PZE-ROX-041625	SVOCs	2-Methylphenol	**UJ**
ROST4PZE-ROX-041625	SVOCs	4-Chloro-3-methylphenol	**UJ**
ROST4PZE-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
ROST4PZE-ROX-041625	SVOCs	4-Nitrophenol	**UJ**
ROST4PZC-ROX-041625	SVOCs	Benzyl alcohol	**UJ**
ROST4PZC-ROX-041625	SVOCs	2-Methylphenol	**UJ**
ROST4PZC-ROX-041625	SVOCs	4-Chloro-3-methylphenol	**UJ**
ROST4PZC-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
ROST4PZC-ROX-041625	SVOCs	4-Nitrophenol	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	Benzyl alcohol	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	2-Methylphenol	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	4-Chloro-3-methylphenol	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	Dimethyl phthalate	**UJ**
ROST4PZC-ROX-041625-DUP	SVOCs	4-Nitrophenol	**UJ**
ROST4PZG-ROX-041625	SVOCs	Benzyl alcohol	**UJ**
ROST4PZG-ROX-041625	SVOCs	2-Methylphenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
ROST4PZG-ROX-041625	SVOCs	4-Chloro-3-methylphenol			**UJ**
ROST4PZG-ROX-041625	SVOCs	Dimethyl phthalate			**UJ**
ROST4PZG-ROX-041625	SVOCs	4-Nitrophenol			**UJ**
MW2-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**UJ**
ROST4PZE-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**UJ**
ROST4PZC-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**UJ**
ROST4PZC-ROX-041625-DUP	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**UJ**
ROST4PZG-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**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			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**	
	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 6/17/2025 11:48:19 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274444-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

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
6/17/2025 11:48:19 AM
Revision 1

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-274444-1

REVISION
Report revised to correct false positive reporting. Supersedes report dated 5-8-2025.

The report being provided is a revision of the original report sent on 5/9/2025. The report (revision 1) is being revised due to report revised to remove false positives.

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 4/17/2025 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 2.0°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-041625-8260 (400-274444-1), ROST4PZE-ROX-041625 (400-274444-3), ROST4PZC-ROX-041625 (400-274444-4), ROST4PZC-ROX-041625-DUP (400-274444-5), MW2-ROX-041625 (400-274444-6) and ROST4PZG-ROX-041625 (400-274444-7). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile which are acid-labile compound that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707538 recovered above the upper control limit for 1,2-Dichloropropane, Acrolein and 4-Isopropyltoluene. The samples associated with this CCV were below the reporting limit for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707538/2).

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 400-702879 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 400-708152 recovered above the upper control limit for Hexachlorocyclopentadiene. 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 400-708152 recovered outside acceptance criteria, low biased, for 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Benzyl alcohol, Dimethyl phthalate and Dibenz[a,h]acridine. 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 continuing calibration verification (CCV) associated with batch 400-708164 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate and Hexachlorocyclopentadiene. 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 400-708164 recovered outside acceptance criteria, low biased, for 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Aniline, Benzyl alcohol, Dibenz[a,h]acridine, Phenol and Pyridine. 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/LCSD associated with preparation batch 400-706504 and analytical batch 400-708315: Quinoline, N-Nitrosodiphenylamine and Aniline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-706504 and analytical batch 400-708315 recovered outside control limits for the following analytes: Benzoic acid. These analytes were biased high in the LCS and were not detected above the reporting limit in the associated samples; therefore, the data have been reported.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706558 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-274444-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274444-1	TB-ROX-041625-8260	Water	04/16/25 00:00	04/17/25 09:30
400-274444-2	TB-ROX-041625-8011	Water	04/16/25 00:00	04/17/25 09:30
400-274444-3	ROST4PZE-ROX-041625	Water	04/16/25 10:00	04/17/25 09:30
400-274444-4	ROST4PZC-ROX-041625	Water	04/16/25 11:05	04/17/25 09:30
400-274444-5	ROST4PZC-ROX-041625-DUP	Water	04/16/25 11:05	04/17/25 09:30
400-274444-6	MW2-ROX-041625	Water	04/16/25 12:15	04/17/25 09:30
400-274444-7	ROST4PZG-ROX-041625	Water	04/16/25 13:35	04/17/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: TB-ROX-041625-8260 — Lab Sample ID: 400-274444-1

No Detections.

Client Sample ID: TB-ROX-041625-8011 — Lab Sample ID: 400-274444-2

No Detections.

Client Sample ID: ROST4PZE-ROX-041625 — Lab Sample ID: 400-274444-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.064	J	0.20	0.044	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZC-ROX-041625 — Lab Sample ID: 400-274444-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	0.60	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	9.9		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	59		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	110		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	14		1.0	0.69	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	0.74	J	1.0	0.71	ug/L	1		8260D	Total/NA
Toluene	13		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	13		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	5.6		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	62		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	0.85		0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthylene	0.090	J	0.20	0.047	ug/L	1		8270E	Total/NA
Anthracene	0.18	J	0.20	0.072	ug/L	1		8270E	Total/NA
Fluorene	0.67		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	21		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	8.6		0.20	0.076	ug/L	1		8270E	Total/NA
Dibenzofuran	0.58	J	9.9	0.15	ug/L	1		8270E	Total/NA
Phenanthrene	0.79		0.20	0.044	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZC-ROX-041625-DUP — Lab Sample ID: 400-274444-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	0.69	J	1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	9.8		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	60		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	110		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	14		1.0	0.69	ug/L	1		8260D	Total/NA
o-Xylene	3.0	J	5.0	3.0	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	0.74	J	1.0	0.71	ug/L	1		8260D	Total/NA
Toluene	13		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	13		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	5.9		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	63		10	6.0	ug/L	1		8260D	Total/NA
Acenaphthene	0.90		0.19	0.083	ug/L	1		8270E	Total/NA
Acenaphthylene	0.098	J	0.19	0.046	ug/L	1		8270E	Total/NA
Anthracene	0.17	J	0.19	0.071	ug/L	1		8270E	Total/NA
Fluorene	0.76		0.19	0.084	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	22		0.19	0.064	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ROST4PZC-ROX-041625-DUP (Continued) — Lab Sample ID: 400-274444-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	8.5		0.19	0.075	ug/L	1		8270E	Total/NA
Dibenzofuran	0.61	J	9.7	0.15	ug/L	1		8270E	Total/NA
Phenanthrene	0.81		0.19	0.043	ug/L	1		8270E	Total/NA

Client Sample ID: MW2-ROX-041625 — Lab Sample ID: 400-274444-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	56		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	61		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	14		5.0	3.0	ug/L	1		8260D	Total/NA
n-Butylbenzene	7.7		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	97		1.0	0.69	ug/L	1		8260D	Total/NA
o-Xylene	3.3	J	5.0	3.0	ug/L	1		8260D	Total/NA
p-Isopropyltoluene	3.8		1.0	0.71	ug/L	1		8260D	Total/NA
sec-Butylbenzene	10		1.0	0.70	ug/L	1		8260D	Total/NA
tert-Butylbenzene	0.90	J	1.0	0.63	ug/L	1		8260D	Total/NA
Toluene	2.2		1.0	0.90	ug/L	1		8260D	Total/NA
1,2,4-Trimethylbenzene	20		1.0	0.82	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	22		1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	32		10	6.0	ug/L	1		8260D	Total/NA
Benzoic acid	27	J J	30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	4.2		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	6.6		0.20	0.076	ug/L	1		8270E	Total/NA
1,4-Dioxane	0.11	J	9.9	0.070	ug/L	1		8270E	Total/NA

Client Sample ID: ROST4PZG-ROX-041625 — Lab Sample ID: 400-274444-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		1.0	0.50	ug/L	1		8260D	Total/NA
Ethylbenzene	1.2		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	7.0		1.0	0.53	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	6.4		5.0	3.0	ug/L	1		8260D	Total/NA
Naphthalene	9.1		5.0	3.0	ug/L	1		8260D	Total/NA
N-Propylbenzene	11		1.0	0.69	ug/L	1		8260D	Total/NA
Toluene	1.7		1.0	0.90	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	0.63	J	1.0	0.56	ug/L	1		8260D	Total/NA
Xylenes, Total	8.4	J	10	6.0	ug/L	1		8260D	Total/NA
1-Methylnaphthalene	1.6		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.40		0.20	0.075	ug/L	1		8270E	Total/NA
Phenanthrene	0.054	J	0.20	0.043	ug/L	1		8270E	Total/NA
Phenol	0.30	J	9.8	0.26	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: TB-ROX-041625-8260
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-1
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			04/30/25 13:38	1
Acrolein	ND		20	3.3	ug/L			04/30/25 13:38	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 13:38	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 13:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 13:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 13:38	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 13:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 13:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 13:38	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 13:38	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 13:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 13:38	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 13:38	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 13:38	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 13:38	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 13:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 13:38	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 13:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 13:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 13:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 13:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 13:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 13:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 13:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 13:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 13:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 13:38	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 13:38	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 13:38	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 13:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 13:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 13:38	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 13:38	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 13:38	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 13:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 13:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 13:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 13:38	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 13:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 13:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 13:38	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: TB-ROX-041625-8260
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-1
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			04/30/25 13:38	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 13:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 13:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 13:38	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 13:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 13:38	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 13:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 13:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 13:38	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 13:38	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 13:38	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 13:38	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 13:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 13:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 13:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 13:38	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 13:38	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 13:38	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/30/25 13:38*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*04/30/25 13:38*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/30/25 13:38*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: TB-ROX-041625-8011
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/22/25 09:56	04/22/25 22:21	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/22/25 09:56	04/22/25 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*51 - 149*	*04/22/25 09:56*	*04/22/25 22:21*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZE-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-3
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			04/30/25 10:42	1
Acrolein	ND		20	3.3	ug/L			04/30/25 10:42	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 10:42	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 10:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 10:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 10:42	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 10:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 10:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 10:42	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 10:42	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			04/30/25 10:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 10:42	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 10:42	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 10:42	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 10:42	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 10:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 10:42	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 10:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 10:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 10:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 10:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 10:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 10:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 10:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 10:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 10:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 10:42	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 10:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 10:42	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 10:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 10:42	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 10:42	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 10:42	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 10:42	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 10:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 10:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 10:42	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 10:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 10:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 10:42	1

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZE-ROX-041625
Lab Sample ID: 400-274444-3
Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 09:30

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			04/30/25 10:42	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 10:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 10:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 10:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 10:42	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 10:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 10:42	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 10:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 10:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 10:42	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 10:42	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 10:42	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 10:42	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 10:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 10:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 10:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 10:42	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 10:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 10:42	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 10:42*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*04/30/25 10:42*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/30/25 10:42*	*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		04/22/25 12:16	05/06/25 09:19	1
Aniline	ND	*- UJ	9.9	0.74	ug/L		04/22/25 12:16	05/06/25 09:19	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzenethiol	ND		9.9	0.60	ug/L		04/22/25 12:16	05/06/25 09:19	1
Anthracene	ND		0.20	0.073	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzoic acid	ND	*+	30	27	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/22/25 12:16	05/06/25 09:19	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/22/25 12:16	05/06/25 09:19	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/22/25 12:16	05/06/25 09:19	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/22/25 12:16	05/06/25 09:19	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 09:19	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/22/25 12:16	05/06/25 09:19	1
Chrysene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 09:19	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/22/25 12:16	05/06/25 09:19	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZE-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Chloro-3-methylphenol	ND	UJ	9.9	0.73	ug/L		04/22/25 12:16	05/06/25 09:19	1
Fluorene	ND		0.20	0.086	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/22/25 12:16	05/06/25 09:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 09:19	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Methylnaphthalene	ND		0.20	0.076	ug/L		04/22/25 12:16	05/06/25 09:19	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		04/22/25 12:16	05/06/25 09:19	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/22/25 12:16	05/06/25 09:19	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/22/25 12:16	05/06/25 09:19	1
Phenanthrene	**0.064**	**J**	0.20	0.044	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		04/22/25 12:16	05/06/25 09:19	1
Pyrene	ND		0.20	0.094	ug/L		04/22/25 12:16	05/06/25 09:19	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/22/25 12:16	05/06/25 09:19	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/22/25 12:16	05/06/25 09:19	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 09:19	1
1,4-Dioxane	ND		9.9	0.070	ug/L		04/22/25 12:16	05/06/25 09:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/22/25 12:16	05/06/25 09:19	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/22/25 12:16	05/06/25 09:19	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/22/25 12:16	05/06/25 09:19	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/22/25 12:16	05/06/25 09:19	1
Indene	ND	*- UJ	9.9	0.44	ug/L		04/22/25 12:16	05/06/25 09:19	1
Isophorone	ND		9.9	0.79	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/22/25 12:16	05/06/25 09:19	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/22/25 12:16	05/06/25 09:19	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 09:19	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/22/25 12:16	05/06/25 09:19	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 09:19	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/22/25 12:16	05/06/25 09:19	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/22/25 12:16	05/06/25 09:19	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/22/25 12:16	05/06/25 09:19	1
N-Nitrosodiphenylamine	ND	*- UJ	9.9	0.19	ug/L		04/22/25 12:16	05/06/25 09:19	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/22/25 12:16	05/06/25 09:19	1
Phenol	ND		9.9	0.27	ug/L		04/22/25 12:16	05/06/25 09:19	1
Pyridine	ND		9.9	0.64	ug/L		04/22/25 12:16	05/06/25 09:19	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		04/22/25 12:16	05/06/25 09:19	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/22/25 12:16	05/06/25 09:19	1

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZE-ROX-041625
Lab Sample ID: 400-274444-3

Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		15 - 150	04/22/25 12:16	05/06/25 09:19	1
Nitrobenzene-d5	90		50 - 150	04/22/25 12:16	05/06/25 09:19	1
Terphenyl-d14	73		43 - 147	04/22/25 12:16	05/06/25 09:19	1
2-Fluorobiphenyl	81		15 - 150	04/22/25 12:16	05/06/25 09:19	1
2-Fluorophenol	88		10 - 150	04/22/25 12:16	05/06/25 09:19	1
Nitrobenzene-d5	90		50 - 150	04/22/25 12:16	05/06/25 09:19	1
Phenol-d5	93		10 - 150	04/22/25 12:16	05/06/25 09:19	1
Terphenyl-d14	73		43 - 147	04/22/25 12:16	05/06/25 09:19	1
2,4,6-Tribromophenol	56		10 - 150	04/22/25 12:16	05/06/25 09:19	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/22/25 09:56	04/22/25 22:42	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/22/25 09:56	04/22/25 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	56		51 - 149	04/22/25 09:56	04/22/25 22:42	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZC-ROX-041625
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-4
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			04/30/25 11:04	1
Acrolein	ND		20	3.3	ug/L			04/30/25 11:04	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 11:04	1
Benzene	**1.4**		1.0	0.50	ug/L			04/30/25 11:04	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 11:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 11:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 11:04	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 11:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 11:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 11:04	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 11:04	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 11:04	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			04/30/25 11:04	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 11:04	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 11:04	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 11:04	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 11:04	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 11:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 11:04	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 11:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 11:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 11:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 11:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 11:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 11:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 11:04	1
Ethylbenzene	**0.60**	**J**	1.0	0.50	ug/L			04/30/25 11:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 11:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 11:04	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 11:04	1
Isopropylbenzene	**9.9**		1.0	0.53	ug/L			04/30/25 11:04	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 11:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 11:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 11:04	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 11:04	1
m-Xylene & p-Xylene	**59**		5.0	3.0	ug/L			04/30/25 11:04	1
Naphthalene	**110**		5.0	3.0	ug/L			04/30/25 11:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 11:04	1
N-Propylbenzene	**14**		1.0	0.69	ug/L			04/30/25 11:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 11:04	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 11:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 11:04	1
p-Isopropyltoluene	**0.74**	**J**	1.0	0.71	ug/L			04/30/25 11:04	1

Client Sample ID: ROST4PZC-ROX-041625
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-4
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			04/30/25 11:04	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 11:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 11:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 11:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 11:04	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 11:04	1
Toluene	**13**		1.0	0.90	ug/L			04/30/25 11:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:04	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 11:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 11:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 11:04	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 11:04	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 11:04	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 11:04	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 11:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 11:04	1
1,2,4-Trimethylbenzene	**13**		1.0	0.82	ug/L			04/30/25 11:04	1
1,3,5-Trimethylbenzene	**5.6**		1.0	0.56	ug/L			04/30/25 11:04	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 11:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 11:04	1
Xylenes, Total	**62**		10	6.0	ug/L			04/30/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*56 - 136*		*04/30/25 11:04*	*1*
Dibromofluoromethane	*101*		*79 - 130*		*04/30/25 11:04*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*04/30/25 11:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.85**		0.20	0.084	ug/L		04/22/25 12:16	05/06/25 07:18	1
Aniline	ND	UJ	9.9	0.73	ug/L		04/22/25 12:16	05/06/25 07:18	1
Acenaphthylene	**0.090**	**J**	0.20	0.047	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzenethiol	ND		9.9	0.59	ug/L		04/22/25 12:16	05/06/25 07:18	1
Anthracene	**0.18**	**J**	0.20	0.072	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzoic acid	ND		30	27	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzyl alcohol	ND	*1 *- UJ	9.9	1.8	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/22/25 12:16	05/06/25 07:18	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/22/25 12:16	05/06/25 07:18	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/22/25 12:16	05/06/25 07:18	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/22/25 12:16	05/06/25 07:18	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 07:18	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/22/25 12:16	05/06/25 07:18	1
Chrysene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 07:18	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/22/25 12:16	05/06/25 07:18	1

Client Sample ID: ROST4PZC-ROX-041625
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Chloro-3-methylphenol	ND	*- UJ	9.9	0.72	ug/L		04/22/25 12:16	05/06/25 07:18	1
Fluorene	**0.67**		0.20	0.086	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/22/25 12:16	05/06/25 07:18	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 07:18	1
1-Methylnaphthalene	**21**		0.20	0.065	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Methylnaphthalene	**8.6**		0.20	0.076	ug/L		04/22/25 12:16	05/06/25 07:18	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		04/22/25 12:16	05/06/25 07:18	1
Dibenzofuran	**0.58**	**J**	9.9	0.15	ug/L		04/22/25 12:16	05/06/25 07:18	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/22/25 12:16	05/06/25 07:18	1
Phenanthrene	**0.79**		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/22/25 12:16	05/06/25 07:18	1
Pyrene	ND		0.20	0.094	ug/L		04/22/25 12:16	05/06/25 07:18	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4-Dimethylphenol	ND	*1 *-	9.9	0.24	ug/L		04/22/25 12:16	05/06/25 07:18	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/22/25 12:16	05/06/25 07:18	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 07:18	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/22/25 12:16	05/06/25 07:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/22/25 12:16	05/06/25 07:18	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/22/25 12:16	05/06/25 07:18	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/22/25 12:16	05/06/25 07:18	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/22/25 12:16	05/06/25 07:18	1
Indene	ND	*- UJ	9.9	0.44	ug/L		04/22/25 12:16	05/06/25 07:18	1
Isophorone	ND		9.9	0.79	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Methylphenol	ND	*- UJ	9.9	0.30	ug/L		04/22/25 12:16	05/06/25 07:18	1
3 & 4 Methylphenol	ND	*1	20	0.18	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/22/25 12:16	05/06/25 07:18	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 07:18	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/22/25 12:16	05/06/25 07:18	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 07:18	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/22/25 12:16	05/06/25 07:18	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/22/25 12:16	05/06/25 07:18	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/22/25 12:16	05/06/25 07:18	1
N-Nitrosodiphenylamine	ND	UJ	9.9	0.19	ug/L		04/22/25 12:16	05/06/25 07:18	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/22/25 12:16	05/06/25 07:18	1
Phenol	ND		9.9	0.27	ug/L		04/22/25 12:16	05/06/25 07:18	1
Pyridine	ND		9.9	0.63	ug/L		04/22/25 12:16	05/06/25 07:18	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/22/25 12:16	05/06/25 07:18	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/22/25 12:16	05/06/25 07:18	1

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZC-ROX-041625
Lab Sample ID: 400-274444-4
Date Collected: 04/16/25 11:05
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
2-Fluorophenol	*90*		*10 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
Nitrobenzene-d5	*86*		*50 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
Phenol-d5	*113*		*10 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/22/25 12:16*	*05/06/25 07:18*	*1*
2,4,6-Tribromophenol	*60*		*10 - 150*	*04/22/25 12:16*	*05/06/25 07:18*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.031	0.018	ug/L		04/22/25 09:56	04/22/25 23:03	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/22/25 09:56	04/22/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*04/22/25 09:56*	*04/22/25 23:03*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZC-ROX-041625-DUP
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-5
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			04/30/25 11:26	1
Acrolein	ND		20	3.3	ug/L			04/30/25 11:26	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 11:26	1
Benzene	**1.5**		1.0	0.50	ug/L			04/30/25 11:26	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 11:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 11:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 11:26	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 11:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 11:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 11:26	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 11:26	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 11:26	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			04/30/25 11:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 11:26	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 11:26	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 11:26	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 11:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 11:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 11:26	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 11:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 11:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 11:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 11:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 11:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 11:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 11:26	1
Ethylbenzene	**0.69**	**J**	1.0	0.50	ug/L			04/30/25 11:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 11:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 11:26	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 11:26	1
Isopropylbenzene	**9.8**		1.0	0.53	ug/L			04/30/25 11:26	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 11:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 11:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 11:26	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 11:26	1
m-Xylene & p-Xylene	**60**		5.0	3.0	ug/L			04/30/25 11:26	1
Naphthalene	**110**		5.0	3.0	ug/L			04/30/25 11:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 11:26	1
N-Propylbenzene	**14**		1.0	0.69	ug/L			04/30/25 11:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 11:26	1
o-Xylene	**3.0**	**J**	5.0	3.0	ug/L			04/30/25 11:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 11:26	1
p-Isopropyltoluene	**0.74**	**J**	1.0	0.71	ug/L			04/30/25 11:26	1

Client Sample ID: ROST4PZC-ROX-041625-DUP
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-5
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			04/30/25 11:26	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 11:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 11:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 11:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 11:26	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 11:26	1
Toluene	**13**		1.0	0.90	ug/L			04/30/25 11:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:26	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 11:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 11:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 11:26	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 11:26	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 11:26	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 11:26	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 11:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 11:26	1
1,2,4-Trimethylbenzene	**13**		1.0	0.82	ug/L			04/30/25 11:26	1
1,3,5-Trimethylbenzene	**5.9**		1.0	0.56	ug/L			04/30/25 11:26	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 11:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 11:26	1
Xylenes, Total	**63**		10	6.0	ug/L			04/30/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*04/30/25 11:26*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*04/30/25 11:26*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 11:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.90**		0.19	0.083	ug/L		04/22/25 12:16	05/06/25 07:48	1
Aniline	ND	UJ	9.7	0.72	ug/L		04/22/25 12:16	05/06/25 07:48	1
Acenaphthylene	**0.098**	**J**	0.19	0.046	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzenethiol	ND		9.7	0.58	ug/L		04/22/25 12:16	05/06/25 07:48	1
Anthracene	**0.17**	**J**	0.19	0.071	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzoic acid	ND		29	26	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzyl alcohol	ND	*1 *- UJ	9.7	1.8	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		04/22/25 12:16	05/06/25 07:48	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		04/22/25 12:16	05/06/25 07:48	1
Bis(2-chloroethyl)ether	ND		9.7	0.14	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		04/22/25 12:16	05/06/25 07:48	1
bis (2-chloroisopropyl) ether	ND		9.7	0.19	ug/L		04/22/25 12:16	05/06/25 07:48	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		04/22/25 12:16	05/06/25 07:48	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		04/22/25 12:16	05/06/25 07:48	1
Chrysene	ND		0.19	0.038	ug/L		04/22/25 12:16	05/06/25 07:48	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Chloroaniline	ND		9.7	0.27	ug/L		04/22/25 12:16	05/06/25 07:48	1

Client Sample ID: ROST4PZC-ROX-041625-DUP
Date Collected: 04/16/25 11:05
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.19	0.031	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Chloro-3-methylphenol	ND	*- UJ	9.7	0.71	ug/L		04/22/25 12:16	05/06/25 07:48	1
Fluorene	**0.76**		0.19	0.084	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Chlorophenol	ND		9.7	0.21	ug/L		04/22/25 12:16	05/06/25 07:48	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		04/22/25 12:16	05/06/25 07:48	1
1-Methylnaphthalene	**22**		0.19	0.064	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Methylnaphthalene	**8.5**		0.19	0.075	ug/L		04/22/25 12:16	05/06/25 07:48	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		04/22/25 12:16	05/06/25 07:48	1
Dibenzofuran	**0.61**	**J**	9.7	0.15	ug/L		04/22/25 12:16	05/06/25 07:48	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/22/25 12:16	05/06/25 07:48	1
Phenanthrene	**0.81**		0.19	0.043	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		04/22/25 12:16	05/06/25 07:48	1
Pyrene	ND		0.19	0.092	ug/L		04/22/25 12:16	05/06/25 07:48	1
Diethyl phthalate	ND		9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4-Dimethylphenol	ND	*1 *-	9.7	0.23	ug/L		04/22/25 12:16	05/06/25 07:48	1
Dimethyl phthalate	ND	UJ	9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4-Dinitrophenol	ND		29	4.5	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		04/22/25 12:16	05/06/25 07:48	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		04/22/25 12:16	05/06/25 07:48	1
1,4-Dioxane	ND		9.7	0.068	ug/L		04/22/25 12:16	05/06/25 07:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.31	ug/L		04/22/25 12:16	05/06/25 07:48	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		04/22/25 12:16	05/06/25 07:48	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		04/22/25 12:16	05/06/25 07:48	1
Hexachloroethane	ND		9.7	0.51	ug/L		04/22/25 12:16	05/06/25 07:48	1
Indene	ND	*- UJ	9.7	0.43	ug/L		04/22/25 12:16	05/06/25 07:48	1
Isophorone	ND		9.7	0.78	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Methylphenol	ND	*- UJ	9.7	0.29	ug/L		04/22/25 12:16	05/06/25 07:48	1
3 & 4 Methylphenol	ND	*1	19	0.17	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Nitroaniline	ND		9.7	1.3	ug/L		04/22/25 12:16	05/06/25 07:48	1
3-Nitroaniline	ND		9.7	0.92	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Nitroaniline	ND		9.7	1.2	ug/L		04/22/25 12:16	05/06/25 07:48	1
Nitrobenzene	ND		9.7	0.58	ug/L		04/22/25 12:16	05/06/25 07:48	1
2-Nitrophenol	ND		9.7	1.1	ug/L		04/22/25 12:16	05/06/25 07:48	1
4-Nitrophenol	ND	UJ	9.7	2.7	ug/L		04/22/25 12:16	05/06/25 07:48	1
N-Nitrosodimethylamine	ND		9.7	0.22	ug/L		04/22/25 12:16	05/06/25 07:48	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		04/22/25 12:16	05/06/25 07:48	1
N-Nitrosodiphenylamine	ND	UJ	9.7	0.18	ug/L		04/22/25 12:16	05/06/25 07:48	1
Pentachlorophenol	ND		9.7	0.40	ug/L		04/22/25 12:16	05/06/25 07:48	1
Phenol	ND		9.7	0.26	ug/L		04/22/25 12:16	05/06/25 07:48	1
Pyridine	ND		9.7	0.62	ug/L		04/22/25 12:16	05/06/25 07:48	1
Quinoline	ND	*- UJ	9.7	0.49	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		04/22/25 12:16	05/06/25 07:48	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		04/22/25 12:16	05/06/25 07:48	1

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZC-ROX-041625-DUP
Lab Sample ID: 400-274444-5

Date Collected: 04/16/25 11:05
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		15 - 150	04/22/25 12:16	05/06/25 07:48	1
Nitrobenzene-d5	92		50 - 150	04/22/25 12:16	05/06/25 07:48	1
Terphenyl-d14	83		43 - 147	04/22/25 12:16	05/06/25 07:48	1
2-Fluorobiphenyl	84		15 - 150	04/22/25 12:16	05/06/25 07:48	1
2-Fluorophenol	94		10 - 150	04/22/25 12:16	05/06/25 07:48	1
Nitrobenzene-d5	92		50 - 150	04/22/25 12:16	05/06/25 07:48	1
Phenol-d5	107		10 - 150	04/22/25 12:16	05/06/25 07:48	1
Terphenyl-d14	83		43 - 147	04/22/25 12:16	05/06/25 07:48	1
2,4,6-Tribromophenol	65		10 - 150	04/22/25 12:16	05/06/25 07:48	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/22/25 09:56	04/22/25 23:24	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/22/25 09:56	04/22/25 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		51 - 149	04/22/25 09:56	04/22/25 23:24	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: MW2-ROX-041625
Date Collected: 04/16/25 12:15
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-6
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			04/30/25 11:48	1
Acrolein	ND		20	3.3	ug/L			04/30/25 11:48	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 11:48	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 11:48	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 11:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 11:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 11:48	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 11:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 11:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 11:48	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 11:48	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 11:48	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			04/30/25 11:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 11:48	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 11:48	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 11:48	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 11:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 11:48	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 11:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 11:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 11:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 11:48	1
Ethylbenzene	**56**		1.0	0.50	ug/L			04/30/25 11:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 11:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 11:48	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 11:48	1
Isopropylbenzene	**61**		1.0	0.53	ug/L			04/30/25 11:48	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 11:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 11:48	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 11:48	1
m-Xylene & p-Xylene	**29**		5.0	3.0	ug/L			04/30/25 11:48	1
Naphthalene	**14**		5.0	3.0	ug/L			04/30/25 11:48	1
n-Butylbenzene	**7.7**		1.0	0.76	ug/L			04/30/25 11:48	1
N-Propylbenzene	**97**		1.0	0.69	ug/L			04/30/25 11:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 11:48	1
o-Xylene	**3.3**	**J**	5.0	3.0	ug/L			04/30/25 11:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 11:48	1
p-Isopropyltoluene	**3.8**		1.0	0.71	ug/L			04/30/25 18:04	1

Client Sample ID: MW2-ROX-041625
Date Collected: 04/16/25 12:15
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-6
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	**10**		1.0	0.70	ug/L			04/30/25 11:48	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 11:48	1
tert-Butylbenzene	**0.90**	**J**	1.0	0.63	ug/L			04/30/25 11:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 11:48	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 11:48	1
Toluene	**2.2**		1.0	0.90	ug/L			04/30/25 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:48	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 11:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 11:48	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 11:48	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 11:48	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 11:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 11:48	1
1,2,4-Trimethylbenzene	**20**		1.0	0.82	ug/L			04/30/25 11:48	1
1,3,5-Trimethylbenzene	**22**		1.0	0.56	ug/L			04/30/25 11:48	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 11:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 11:48	1
Xylenes, Total	**32**		10	6.0	ug/L			04/30/25 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*56 - 136*		*04/30/25 11:48*	*1*
4-Bromofluorobenzene	*108*		*56 - 136*		*04/30/25 18:04*	*1*
Dibromofluoromethane	*97*		*79 - 130*		*04/30/25 11:48*	*1*
Dibromofluoromethane	*95*		*79 - 130*		*04/30/25 18:04*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/30/25 11:48*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*04/30/25 18:04*	*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	0.084	ug/L		04/22/25 12:16	05/06/25 08:18	1
Aniline	ND	UJ	9.9	0.74	ug/L		04/22/25 12:16	05/06/25 08:18	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzenethiol	ND		9.9	0.60	ug/L		04/22/25 12:16	05/06/25 08:18	1
Anthracene	ND		0.20	0.073	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzoic acid	**27**	**J** J	30	27	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzyl alcohol	ND	*1 *- UJ	9.9	1.8	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/22/25 12:16	05/06/25 08:18	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/22/25 12:16	05/06/25 08:18	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/22/25 12:16	05/06/25 08:18	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/22/25 12:16	05/06/25 08:18	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 08:18	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/22/25 12:16	05/06/25 08:18	1
Chrysene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 08:18	1

Client Sample ID: MW2-ROX-041625
Date Collected: 04/16/25 12:15
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/22/25 12:16	05/06/25 08:18	1
Fluoranthene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Chloro-3-methylphenol	ND	*- UJ	9.9	0.73	ug/L		04/22/25 12:16	05/06/25 08:18	1
Fluorene	ND		0.20	0.086	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/22/25 12:16	05/06/25 08:18	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 08:18	1
1-Methylnaphthalene	**4.2**		0.20	0.066	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Methylnaphthalene	**6.6**		0.20	0.076	ug/L		04/22/25 12:16	05/06/25 08:18	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		04/22/25 12:16	05/06/25 08:18	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/22/25 12:16	05/06/25 08:18	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/22/25 12:16	05/06/25 08:18	1
Phenanthrene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		04/22/25 12:16	05/06/25 08:18	1
Pyrene	ND		0.20	0.094	ug/L		04/22/25 12:16	05/06/25 08:18	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,4-Dimethylphenol	ND	*1 *-	9.9	0.24	ug/L		04/22/25 12:16	05/06/25 08:18	1
Dimethyl phthalate	ND	UJ	9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/22/25 12:16	05/06/25 08:18	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/22/25 12:16	05/06/25 08:18	1
1,4-Dioxane	**0.11**	**J**	9.9	0.070	ug/L		04/22/25 12:16	05/06/25 08:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/22/25 12:16	05/06/25 08:18	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/22/25 12:16	05/06/25 08:18	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/22/25 12:16	05/06/25 08:18	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/22/25 12:16	05/06/25 08:18	1
Indene	ND	*- UJ	9.9	0.44	ug/L		04/22/25 12:16	05/06/25 08:18	1
Isophorone	ND		9.9	0.79	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Methylphenol	ND	*- UJ	9.9	0.30	ug/L		04/22/25 12:16	05/06/25 08:18	1
3 & 4 Methylphenol	ND	*1	20	0.18	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/22/25 12:16	05/06/25 08:18	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 08:18	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/22/25 12:16	05/06/25 08:18	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/22/25 12:16	05/06/25 08:18	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/22/25 12:16	05/06/25 08:18	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/22/25 12:16	05/06/25 08:18	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/22/25 12:16	05/06/25 08:18	1
N-Nitrosodiphenylamine	ND	UJ	9.9	0.19	ug/L		04/22/25 12:16	05/06/25 08:18	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/22/25 12:16	05/06/25 08:18	1
Phenol	ND		9.9	0.27	ug/L		04/22/25 12:16	05/06/25 08:18	1
Pyridine	ND		9.9	0.64	ug/L		04/22/25 12:16	05/06/25 08:18	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/22/25 12:16	05/06/25 08:18	1

Client Sample ID: MW2-ROX-041625
Date Collected: 04/16/25 12:15
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		04/22/25 12:16	05/06/25 08:18	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/22/25 12:16	05/06/25 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
2-Fluorophenol	*89*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
Nitrobenzene-d5	*88*		*50 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
Phenol-d5	*104*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
Terphenyl-d14	*74*		*43 - 147*	*04/22/25 12:16*	*05/06/25 08:18*	*1*
2,4,6-Tribromophenol	*63*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:18*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/22/25 09:56	04/22/25 23:45	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/22/25 09:56	04/22/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*51 - 149*	*04/22/25 09:56*	*04/22/25 23:45*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZG-ROX-041625
Date Collected: 04/16/25 13:35
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-7
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			04/30/25 12:10	1
Acrolein	ND		20	3.3	ug/L			04/30/25 12:10	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 12:10	1
Benzene	**12**		1.0	0.50	ug/L			04/30/25 12:10	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 12:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 12:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 12:10	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 12:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 12:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 12:10	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 12:10	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 12:10	1
Chloroethane	ND	UJ	1.0	0.76	ug/L			04/30/25 12:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 12:10	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 12:10	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 12:10	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 12:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 12:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 12:10	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 12:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 12:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 12:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 12:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 12:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 12:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 12:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 12:10	1
Ethylbenzene	**1.2**		1.0	0.50	ug/L			04/30/25 12:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 12:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 12:10	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 12:10	1
Isopropylbenzene	**7.0**		1.0	0.53	ug/L			04/30/25 12:10	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 12:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 12:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 12:10	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 12:10	1
m-Xylene & p-Xylene	**6.4**		5.0	3.0	ug/L			04/30/25 12:10	1
Naphthalene	**9.1**		5.0	3.0	ug/L			04/30/25 12:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 12:10	1
N-Propylbenzene	**11**		1.0	0.69	ug/L			04/30/25 12:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 12:10	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 12:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 12:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 12:10	1

Client Sample ID: ROST4PZG-ROX-041625
Date Collected: 04/16/25 13:35
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-7
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			04/30/25 12:10	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 12:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 12:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 12:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 12:10	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 12:10	1
Toluene	**1.7**		1.0	0.90	ug/L			04/30/25 12:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 12:10	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 12:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 12:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 12:10	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 12:10	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 12:10	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 12:10	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 12:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 12:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 12:10	1
1,3,5-Trimethylbenzene	**0.63**	**J**	1.0	0.56	ug/L			04/30/25 12:10	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 12:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 12:10	1
Xylenes, Total	**8.4**	**J**	10	6.0	ug/L			04/30/25 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/30/25 12:10*	*1*
Dibromofluoromethane	*99*		*79 - 130*		*04/30/25 12:10*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 12:10*	*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	0.083	ug/L		04/22/25 12:16	05/06/25 08:49	1
Aniline	ND	UJ	9.8	0.73	ug/L		04/22/25 12:16	05/06/25 08:49	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzenethiol	ND		9.8	0.59	ug/L		04/22/25 12:16	05/06/25 08:49	1
Anthracene	ND		0.20	0.072	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzoic acid	ND		29	26	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzyl alcohol	ND	*1 *- UJ	9.8	1.8	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 08:49	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/22/25 12:16	05/06/25 08:49	1
Bis(2-chloroethyl)ether	ND		9.8	0.14	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/22/25 12:16	05/06/25 08:49	1
bis (2-chloroisopropyl) ether	ND		9.8	0.20	ug/L		04/22/25 12:16	05/06/25 08:49	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 08:49	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/22/25 12:16	05/06/25 08:49	1
Chrysene	ND		0.20	0.038	ug/L		04/22/25 12:16	05/06/25 08:49	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Chloroaniline	ND		9.8	0.27	ug/L		04/22/25 12:16	05/06/25 08:49	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Client Sample ID: ROST4PZG-ROX-041625
Date Collected: 04/16/25 13:35
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274444-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.031	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Chloro-3-methylphenol	ND	*- UJ	9.8	0.72	ug/L		04/22/25 12:16	05/06/25 08:49	1
Fluorene	ND		0.20	0.085	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Chlorophenol	ND		9.8	0.22	ug/L		04/22/25 12:16	05/06/25 08:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/22/25 12:16	05/06/25 08:49	1
1-Methylnaphthalene	**1.6**		0.20	0.065	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Methylnaphthalene	**0.40**		0.20	0.075	ug/L		04/22/25 12:16	05/06/25 08:49	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		04/22/25 12:16	05/06/25 08:49	1
Dibenzofuran	ND		9.8	0.15	ug/L		04/22/25 12:16	05/06/25 08:49	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/22/25 12:16	05/06/25 08:49	1
Phenanthrene	**0.054**	**J**	0.20	0.043	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/22/25 12:16	05/06/25 08:49	1
Pyrene	ND		0.20	0.093	ug/L		04/22/25 12:16	05/06/25 08:49	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4-Dimethylphenol	ND	*1 *-	9.8	0.24	ug/L		04/22/25 12:16	05/06/25 08:49	1
Dimethyl phthalate	ND	UJ	9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		04/22/25 12:16	05/06/25 08:49	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/22/25 12:16	05/06/25 08:49	1
1,4-Dioxane	ND		9.8	0.069	ug/L		04/22/25 12:16	05/06/25 08:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.31	ug/L		04/22/25 12:16	05/06/25 08:49	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		04/22/25 12:16	05/06/25 08:49	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/22/25 12:16	05/06/25 08:49	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/22/25 12:16	05/06/25 08:49	1
Indene	ND	*- UJ	9.8	0.43	ug/L		04/22/25 12:16	05/06/25 08:49	1
Isophorone	ND		9.8	0.78	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Methylphenol	ND	*- UJ	9.8	0.29	ug/L		04/22/25 12:16	05/06/25 08:49	1
3 & 4 Methylphenol	ND	*1	20	0.18	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/22/25 12:16	05/06/25 08:49	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Nitroaniline	ND		9.8	1.2	ug/L		04/22/25 12:16	05/06/25 08:49	1
Nitrobenzene	ND		9.8	0.59	ug/L		04/22/25 12:16	05/06/25 08:49	1
2-Nitrophenol	ND		9.8	1.1	ug/L		04/22/25 12:16	05/06/25 08:49	1
4-Nitrophenol	ND	UJ	9.8	2.7	ug/L		04/22/25 12:16	05/06/25 08:49	1
N-Nitrosodimethylamine	ND		9.8	0.23	ug/L		04/22/25 12:16	05/06/25 08:49	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/22/25 12:16	05/06/25 08:49	1
N-Nitrosodiphenylamine	ND	UJ	9.8	0.19	ug/L		04/22/25 12:16	05/06/25 08:49	1
Pentachlorophenol	ND		9.8	0.40	ug/L		04/22/25 12:16	05/06/25 08:49	1
Phenol	**0.30**	**J**	9.8	0.26	ug/L		04/22/25 12:16	05/06/25 08:49	1
Pyridine	ND		9.8	0.63	ug/L		04/22/25 12:16	05/06/25 08:49	1
Quinoline	ND	*- UJ	9.8	0.49	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/22/25 12:16	05/06/25 08:49	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/22/25 12:16	05/06/25 08:49	1

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZG-ROX-041625
Lab Sample ID: 400-274444-7
Date Collected: 04/16/25 13:35
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
Terphenyl-d14	*79*		*43 - 147*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
2-Fluorophenol	*99*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
Phenol-d5	*127*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
Terphenyl-d14	*79*		*43 - 147*	*04/22/25 12:16*	*05/06/25 08:49*	*1*
2,4,6-Tribromophenol	*61*		*10 - 150*	*04/22/25 12:16*	*05/06/25 08:49*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/22/25 09:56	04/23/25 00:06	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/22/25 09:56	04/23/25 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*58*		*51 - 149*	*04/22/25 09:56*	*04/23/25 00:06*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-274444-1
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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274444-1

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)
400-274444-1	TB-ROX-041625-8260	90	116	94
400-274444-3	ROST4PZE-ROX-041625	91	114	96
400-274444-4	ROST4PZC-ROX-041625	89	101	91
400-274444-5	ROST4PZC-ROX-041625-DUP	93	104	92
400-274444-6	MW2-ROX-041625	108	95	101
400-274444-6	MW2-ROX-041625	96	97	96
400-274444-7	ROST4PZG-ROX-041625	92	99	92
LCS 400-707537/1002	Lab Control Sample	107	92	100
LCS 400-707538/1002	Lab Control Sample	99	101	98
MB 400-707537/4	Method Blank	104	93	100
MB 400-707538/5	Method Blank	93	113	94

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	2FP	NBZ	NBZ	PHL	TPHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(10-150)	(50-150)	(50-150)	(10-150)	(43-147)	(43-147)
400-274444-3	ROST4PZE-ROX-041625	81	81	88	90	90	93	73	73
400-274444-4	ROST4PZC-ROX-041625	77	77	90	86	86	113	75	75
400-274444-5	ROST4PZC-ROX-041625-DUP	84	84	94	92	92	107	83	83
400-274444-6	MW2-ROX-041625	79	79	89	88	88	104	74	74
400-274444-7	ROST4PZG-ROX-041625	83	83	99	90	90	127	79	79
LCS 400-706504/2-A	Lab Control Sample	70	70		87	87		72	72
LCS 400-706504/2-A	Lab Control Sample	70	70	109	85	85	119	70	70
LCS 400-706504/4-A	Lab Control Sample	82	82	109	92	92	76	83	83
LCSD 400-706504/3-A	Lab Control Sample Dup	72	72		85	85		72	72
LCSD 400-706504/3-A	Lab Control Sample Dup	70	70	113	89	89	122	69	69
LCSD 400-706504/5-A	Lab Control Sample Dup	80	80	112	96	96	83	83	83
MB 400-706504/1-A	Method Blank	86	86	116	101	101	63	87	87

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274444-3	ROST4PZE-ROX-041625	56
400-274444-4	ROST4PZC-ROX-041625	60
400-274444-5	ROST4PZC-ROX-041625-DUP	65
400-274444-6	MW2-ROX-041625	63
400-274444-7	ROST4PZG-ROX-041625	61
LCS 400-706504/2-A	Lab Control Sample	
LCS 400-706504/2-A	Lab Control Sample	111
LCS 400-706504/4-A	Lab Control Sample	98
LCSD 400-706504/3-A	Lab Control Sample Dup	
LCSD 400-706504/3-A	Lab Control Sample Dup	102
LCSD 400-706504/5-A	Lab Control Sample Dup	100
MB 400-706504/1-A	Method Blank	91

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		BFB1						
Lab Sample ID	Client Sample ID	(51-149)						
400-274444-2	TB-ROX-041625-8011	76						
400-274444-3	ROST4PZE-ROX-041625	56						
400-274444-4	ROST4PZC-ROX-041625	96						
400-274444-5	ROST4PZC-ROX-041625-DUP	90						
400-274444-6	MW2-ROX-041625	85						
400-274444-7	ROST4PZG-ROX-041625	58						
LCS 400-706600/2-A	Lab Control Sample	70						
LCSD 400-706600/3-A	Lab Control Sample Dup	78						
MB 400-706600/1-A	Method Blank	94						

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274444-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041625-8260
Lab Sample ID: 400-274444-1
Date Collected: 04/16/25 00:00
Matrix: Water
Date Received: 04/17/25 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	707538	04/30/25 13:38	WPD	EET PEN

Client Sample ID: TB-ROX-041625-8011
Lab Sample ID: 400-274444-2
Date Collected: 04/16/25 00:00
Matrix: Water
Date Received: 04/17/25 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	8011			33.9 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 22:21	KR	EET PEN

Client Sample ID: ROST4PZE-ROX-041625
Lab Sample ID: 400-274444-3
Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 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	707538	04/30/25 10:42	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 09:19	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 09:19	JAW	EET PEN
Total/NA	Prep	8011			33.2 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 22:42	KR	EET PEN

Client Sample ID: ROST4PZC-ROX-041625
Lab Sample ID: 400-274444-4
Date Collected: 04/16/25 11:05
Matrix: Water
Date Received: 04/17/25 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	707538	04/30/25 11:04	WPD	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 07:18	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 07:18	JAW	EET PEN
Total/NA	Prep	8011			33.7 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 23:03	KR	EET PEN

Client Sample ID: ROST4PZC-ROX-041625-DUP
Lab Sample ID: 400-274444-5
Date Collected: 04/16/25 11:05
Matrix: Water
Date Received: 04/17/25 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	707538	04/30/25 11:26	WPD	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 07:48	JAW	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: ROST4PZC-ROX-041625-DUP
Lab Sample ID: 400-274444-5
Date Collected: 04/16/25 11:05
Matrix: Water
Date Received: 04/17/25 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			30.9 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 07:48	JAW	EET PEN
Total/NA	Prep	8011			33.2 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 23:24	KR	EET PEN

Client Sample ID: MW2-ROX-041625
Lab Sample ID: 400-274444-6
Date Collected: 04/16/25 12:15
Matrix: Water
Date Received: 04/17/25 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	707537	04/30/25 18:04	WPD	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	707538	04/30/25 11:48	WPD	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 08:18	JAW	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 08:18	JAW	EET PEN
Total/NA	Prep	8011			32.9 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 23:45	KR	EET PEN

Client Sample ID: ROST4PZG-ROX-041625
Lab Sample ID: 400-274444-7
Date Collected: 04/16/25 13:35
Matrix: Water
Date Received: 04/17/25 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	707538	04/30/25 12:10	WPD	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 08:49	JAW	EET PEN
Total/NA	Prep	3511			30.6 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 08:49	JAW	EET PEN
Total/NA	Prep	8011			33.2 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/23/25 00:06	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706504/1-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 09:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708165	05/06/25 09:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706600/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 17:46	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707537/4
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	707537	04/30/25 07:56	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707538/5
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	707538	04/30/25 08:09	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706504/2-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 09:33	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708315	05/07/25 18:53	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706504/4-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 10:35	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706600/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 18:08	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707537/1002
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	707537	04/30/25 07:01	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707538/1002
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	707538	04/30/25 07:03	WPD	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706504/3-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 10:04	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708315	05/07/25 19:24	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706504/5-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 11:06	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706600/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706600	04/22/25 09:56	KR	EET PEN
Total/NA	Analysis	8011		1			706558	04/22/25 18:29	KR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 707537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-6	MW2-ROX-041625	Total/NA	Water	8260D	
MB 400-707537/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707537/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 707538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-1	TB-ROX-041625-8260	Total/NA	Water	8260D	
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	8260D	
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	8260D	
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	8260D	
400-274444-6	MW2-ROX-041625	Total/NA	Water	8260D	
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	8260D	
MB 400-707538/5	Method Blank	Total/NA	Water	8260D	
LCS 400-707538/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	3511	
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	3511	
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	3511	
400-274444-6	MW2-ROX-041625	Total/NA	Water	3511	
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	3511	
MB 400-706504/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706504/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706504/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 708152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	8270E	706504
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	8270E	706504
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	8270E	706504
400-274444-6	MW2-ROX-041625	Total/NA	Water	8270E	706504
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	8270E	706504

Analysis Batch: 708153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	8270E	706504
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	8270E	706504
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	8270E	706504
400-274444-6	MW2-ROX-041625	Total/NA	Water	8270E	706504
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	8270E	706504

Analysis Batch: 708164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706504/1-A	Method Blank	Total/NA	Water	8270E	706504
LCS 400-706504/4-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

QC Association Summary

Client: AECOM
Job ID: 400-274444-1
Project/Site: ROXANA QUARTERLY GW

GC/MS Semi VOA

Analysis Batch: 708165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706504/1-A	Method Blank	Total/NA	Water	8270E	706504
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

Analysis Batch: 708315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

GC Semi VOA

Analysis Batch: 706558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-2	TB-ROX-041625-8011	Total/NA	Water	8011	706600
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	8011	706600
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	8011	706600
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	8011	706600
400-274444-6	MW2-ROX-041625	Total/NA	Water	8011	706600
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	8011	706600
MB 400-706600/1-A	Method Blank	Total/NA	Water	8011	706600
LCS 400-706600/2-A	Lab Control Sample	Total/NA	Water	8011	706600
LCSD 400-706600/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706600

Prep Batch: 706600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274444-2	TB-ROX-041625-8011	Total/NA	Water	8011	
400-274444-3	ROST4PZE-ROX-041625	Total/NA	Water	8011	
400-274444-4	ROST4PZC-ROX-041625	Total/NA	Water	8011	
400-274444-5	ROST4PZC-ROX-041625-DUP	Total/NA	Water	8011	
400-274444-6	MW2-ROX-041625	Total/NA	Water	8011	
400-274444-7	ROST4PZG-ROX-041625	Total/NA	Water	8011	
MB 400-706600/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706600/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706600/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-707537/4
Matrix: Water
Analysis Batch: 707537

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 07:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*56 - 136*		*04/30/25 07:56*	*1*
Dibromofluoromethane	*93*		*79 - 130*		*04/30/25 07:56*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*04/30/25 07:56*	*1*

Lab Sample ID: LCS 400-707537/1002
Matrix: Water
Analysis Batch: 707537

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	53.5		ug/L		107	65 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*56 - 136*
Dibromofluoromethane	*92*		*79 - 130*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-707538/5
Matrix: Water
Analysis Batch: 707538

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/30/25 08:09	1
Acrolein	ND		20	3.3	ug/L			04/30/25 08:09	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 08:09	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 08:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 08:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 08:09	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 08:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 08:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 08:09	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 08:09	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 08:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 08:09	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 08:09	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 08:09	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 08:09	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 08:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 08:09	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 08:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 08:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 08:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 08:09	1

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

Lab Sample ID: MB 400-707538/5
Matrix: Water
Analysis Batch: 707538

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 08:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 08:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 08:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 08:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 08:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 08:09	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 08:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 08:09	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 08:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 08:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 08:09	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 08:09	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 08:09	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 08:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 08:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 08:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 08:09	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 08:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 08:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 08:09	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/30/25 08:09	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 08:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 08:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 08:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 08:09	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 08:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 08:09	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 08:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 08:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 08:09	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 08:09	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 08:09	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 08:09	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 08:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 08:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 08:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 08:09	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 08:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 08:09	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 08:09	1

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

Lab Sample ID: MB 400-707538/5
Matrix: Water
Analysis Batch: 707538

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		56 - 136		04/30/25 08:09	1
Dibromofluoromethane	113		79 - 130		04/30/25 08:09	1
Toluene-d8 (Surr)	94		64 - 132		04/30/25 08:09	1

Lab Sample ID: LCS 400-707538/1002
Matrix: Water
Analysis Batch: 707538

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	219		ug/L		110	43 - 150
Acrolein	250	309		ug/L		124	38 - 150
Acrylonitrile	500	590		ug/L		118	64 - 142
Benzene	50.0	55.1		ug/L		110	70 - 130
Bromobenzene	50.0	51.4		ug/L		103	70 - 132
Bromochloromethane	50.0	56.0		ug/L		112	70 - 130
Bromodichloromethane	50.0	48.8		ug/L		98	67 - 133
Bromoform	50.0	46.3		ug/L		93	57 - 140
Bromomethane	25.0	23.2		ug/L		93	10 - 150
2-Butanone (MEK)	200	209		ug/L		104	61 - 145
Carbon disulfide	50.0	56.5		ug/L		113	61 - 137
Carbon tetrachloride	50.0	49.8		ug/L		100	61 - 137
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	25.0	20.9		ug/L		84	55 - 141
2-Chloroethyl vinyl ether	25.0	31.7		ug/L		127	10 - 150
Chloroform	50.0	49.7		ug/L		99	69 - 130
1-Chlorohexane	50.0	49.1		ug/L		98	69 - 130
Chloromethane	25.0	28.5		ug/L		114	58 - 137
cis-1,2-Dichloroethene	50.0	57.3		ug/L		115	68 - 130
cis-1,3-Dichloropropene	50.0	55.6		ug/L		111	69 - 132
Dibromochloromethane	50.0	49.7		ug/L		99	67 - 135
1,2-Dichlorobenzene	50.0	55.5		ug/L		111	67 - 130
1,3-Dichlorobenzene	50.0	55.7		ug/L		111	70 - 130
1,4-Dichlorobenzene	50.0	56.0		ug/L		112	70 - 130
Dichlorodifluoromethane	25.0	23.5		ug/L		94	41 - 146
1,1-Dichloroethane	50.0	59.2		ug/L		118	70 - 130
1,2-Dichloroethane	50.0	48.6		ug/L		97	69 - 130
1,1-Dichloroethene	50.0	57.2		ug/L		114	63 - 134
1,2-Dichloropropane	50.0	64.9		ug/L		130	70 - 130
1,3-Dichloropropane	50.0	56.1		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	49.2		ug/L		98	52 - 135
1,1-Dichloropropene	50.0	56.5		ug/L		113	70 - 130
Ethylbenzene	50.0	53.1		ug/L		106	70 - 130
Ethyl methacrylate	50.0	48.4		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	54.7		ug/L		109	53 - 140
2-Hexanone	200	234		ug/L		117	65 - 137
Isopropylbenzene	50.0	54.7		ug/L		109	70 - 130
Methylene bromide	50.0	51.7		ug/L		103	70 - 130
Methylene Chloride	50.0	56.9		ug/L		114	66 - 135

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

Lab Sample ID: LCS 400-707538/1002
Matrix: Water
Analysis Batch: 707538

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	200	222		ug/L		111	69 - 138
Methyl tert-butyl ether	50.0	50.6		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	52.9		ug/L		106	70 - 130
Naphthalene	50.0	58.4		ug/L		117	47 - 149
n-Butylbenzene	50.0	62.5		ug/L		125	67 - 130
N-Propylbenzene	50.0	57.9		ug/L		116	70 - 130
o-Chlorotoluene	50.0	54.9		ug/L		110	70 - 130
o-Xylene	50.0	53.5		ug/L		107	70 - 130
p-Chlorotoluene	50.0	54.9		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	61.2		ug/L		122	65 - 130
sec-Butylbenzene	50.0	58.8		ug/L		118	66 - 130
Styrene	50.0	52.3		ug/L		105	70 - 130
tert-Butylbenzene	50.0	53.7		ug/L		107	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/L		99	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 131
Tetrachloroethene	50.0	49.0		ug/L		98	65 - 130
Toluene	50.0	52.7		ug/L		105	70 - 130
trans-1,2-Dichloroethene	50.0	56.6		ug/L		113	70 - 130
trans-1,3-Dichloropropene	50.0	50.0		ug/L		100	63 - 130
1,2,3-Trichlorobenzene	50.0	59.0		ug/L		118	60 - 138
1,2,4-Trichlorobenzene	50.0	59.3		ug/L		119	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	54.0		ug/L		108	70 - 130
Trichloroethene	50.0	53.9		ug/L		108	70 - 130
Trichlorofluoromethane	25.0	23.1		ug/L		92	65 - 138
1,2,3-Trichloropropane	50.0	52.0		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	50.0	57.9		ug/L		116	70 - 130
1,3,5-Trimethylbenzene	50.0	57.2		ug/L		114	69 - 130
Vinyl acetate	50.0	58.4		ug/L		117	26 - 150
Vinyl chloride	25.0	28.0		ug/L		112	59 - 136
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*56 - 136*
Dibromofluoromethane	*101*		*79 - 130*
Toluene-d8 (Surr)	*98*		*64 - 132*

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

Lab Sample ID: MB 400-706504/1-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/21/25 12:40	05/06/25 09:02	1
Aniline	ND		10	0.74	ug/L		04/21/25 12:40	05/06/25 09:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzenethiol	ND		10	0.60	ug/L		04/21/25 12:40	05/06/25 09:02	1
Anthracene	ND		0.20	0.073	ug/L		04/21/25 12:40	05/06/25 09:02	1

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

Lab Sample ID: MB 400-706504/1-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzoic acid	ND		30	27	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzyl alcohol	ND		10	1.9	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/21/25 12:40	05/06/25 09:02	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/21/25 12:40	05/06/25 09:02	1
Chrysene	ND		0.20	0.039	ug/L		04/21/25 12:40	05/06/25 09:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chloroaniline	ND		10	0.28	ug/L		04/21/25 12:40	05/06/25 09:02	1
Fluoranthene	ND		0.20	0.032	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/21/25 12:40	05/06/25 09:02	1
Fluorene	ND		0.20	0.087	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Chlorophenol	ND		10	0.22	ug/L		04/21/25 12:40	05/06/25 09:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/21/25 12:40	05/06/25 09:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenzofuran	ND		10	0.15	ug/L		04/21/25 12:40	05/06/25 09:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/21/25 12:40	05/06/25 09:02	1
Phenanthrene	ND		0.20	0.044	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pyrene	ND		0.20	0.095	ug/L		04/21/25 12:40	05/06/25 09:02	1
Diethyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/21/25 12:40	05/06/25 09:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
1,4-Dioxane	ND		10	0.070	ug/L		04/21/25 12:40	05/06/25 09:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachloroethane	ND		10	0.53	ug/L		04/21/25 12:40	05/06/25 09:02	1
Indene	ND		10	0.44	ug/L		04/21/25 12:40	05/06/25 09:02	1
Isophorone	ND		10	0.80	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Methylphenol	ND		10	0.30	ug/L		04/21/25 12:40	05/06/25 09:02	1

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

Lab Sample ID: MB 400-706504/1-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Nitroaniline	ND		10	1.4	ug/L		04/21/25 12:40	05/06/25 09:02	1
3-Nitroaniline	ND		10	0.95	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Nitroaniline	ND		10	1.2	ug/L		04/21/25 12:40	05/06/25 09:02	1
Nitrobenzene	ND		10	0.60	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Nitrophenol	ND		10	1.2	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Nitrophenol	ND		10	2.7	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pentachlorophenol	ND		10	0.41	ug/L		04/21/25 12:40	05/06/25 09:02	1
Phenol	ND		10	0.27	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pyridine	ND		10	0.64	ug/L		04/21/25 12:40	05/06/25 09:02	1
Quinoline	ND		10	0.50	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/21/25 12:40	05/06/25 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2-Fluorobiphenyl	*86*		*15 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2-Fluorophenol	*116*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Phenol-d5	*63*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	13.3		ug/L		53	44 - 122
Acenaphthylene	25.0	13.7		ug/L		55	42 - 125
Anthracene	25.0	15.2		ug/L		61	51 - 136
Benzo[a]anthracene	25.0	15.4		ug/L		62	50 - 138
Benzo[a]pyrene	25.0	14.7		ug/L		59	53 - 134
Benzo[b]fluoranthene	25.0	16.0		ug/L		64	50 - 134
Benzo[g,h,i]perylene	25.0	14.8		ug/L		59	42 - 138
Benzo[k]fluoranthene	25.0	15.1		ug/L		60	55 - 136
Chrysene	25.0	15.0		ug/L		60	53 - 141
Dibenz(a,h)anthracene	25.0	15.1		ug/L		60	41 - 139
Fluoranthene	25.0	14.3		ug/L		57	49 - 141
Fluorene	25.0	14.8		ug/L		59	41 - 136
Indeno[1,2,3-cd]pyrene	25.0	14.9		ug/L		60	30 - 150
1-Methylnaphthalene	25.0	14.7		ug/L		59	36 - 117
2-Methylnaphthalene	25.0	14.8		ug/L		59	31 - 115

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

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	25.0	14.9		ug/L		60	50 - 133
Pyrene	25.0	15.1		ug/L		60	46 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	25.0	2.73	J	ug/L		11	10 - 150
Benzoic acid	214	397	E *+	ug/L		185	10 - 180
Benzyl alcohol	25.0	4.86	J	ug/L		19	10 - 150
Bis(2-chloroethoxy)methane	25.0	18.8		ug/L		75	60 - 123
Bis(2-chloroethyl)ether	25.0	15.1		ug/L		60	45 - 127
bis (2-chloroisopropyl) ether	25.0	15.0		ug/L		60	10 - 150
Bis(2-ethylhexyl) phthalate	25.0	18.6		ug/L		74	10 - 147
4-Bromophenyl phenyl ether	25.0	13.8		ug/L		55	50 - 126
Butyl benzyl phthalate	25.0	21.8		ug/L		87	36 - 137
4-Chloroaniline	25.0	8.10	J	ug/L		32	10 - 150
4-Chloro-3-methylphenol	25.0	22.2		ug/L		89	14 - 150
2-Chloronaphthalene	25.0	15.1		ug/L		60	44 - 122
2-Chlorophenol	25.0	18.1		ug/L		72	10 - 150
4-Chlorophenyl phenyl ether	25.0	12.8		ug/L		51	51 - 125
Dibenz[a,h]acridine	49.9	32.6		ug/L		65	50 - 150
Dibenzofuran	25.0	14.8		ug/L		59	55 - 125
3,3'-Dichlorobenzidine	33.3	15.2		ug/L		46	10 - 150
2,4-Dichlorophenol	25.0	20.2		ug/L		81	11 - 150
Diethyl phthalate	25.0	16.6		ug/L		66	61 - 130
2,4-Dimethylphenol	25.0	12.7		ug/L		51	5 - 150
Dimethyl phthalate	25.0	17.3		ug/L		69	55 - 139
Di-n-butyl phthalate	25.0	17.1		ug/L		69	50 - 150
4,6-Dinitro-ortho-cresol	50.0	45.8		ug/L		92	10 - 150
2,4-Dinitrophenol	50.0	44.4		ug/L		89	10 - 150
2,4-Dinitrotoluene	25.0	18.2		ug/L		73	46 - 137
2,6-Dinitrotoluene	25.0	20.9		ug/L		84	35 - 150
Di-n-octyl phthalate	25.0	20.5		ug/L		82	10 - 150
1,4-Dioxane	25.0	14.1		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	14.3	I	ug/L		57	49 - 125
Hexachlorobenzene	25.0	14.7		ug/L		59	53 - 126
Hexachlorocyclopentadiene	25.0	20.3		ug/L		81	10 - 150
Hexachloroethane	25.0	13.1		ug/L		52	10 - 112
Indene	50.0	21.6	*-	ug/L		43	50 - 150
Isophorone	25.0	14.9		ug/L		60	51 - 125
2-Methylphenol	25.0	15.8		ug/L		63	42 - 120

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

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3 & 4 Methylphenol	25.0	23.4		ug/L		94	10 - 150
2-Nitroaniline	25.0	20.7		ug/L		83	10 - 150
3-Nitroaniline	25.0	20.9		ug/L		84	10 - 150
4-Nitroaniline	25.0	24.2		ug/L		97	10 - 144
Nitrobenzene	25.0	16.0		ug/L		64	57 - 138
2-Nitrophenol	25.0	25.2		ug/L		101	21 - 150
4-Nitrophenol	50.0	45.1		ug/L		90	10 - 150
N-Nitrosodimethylamine	25.0	14.9		ug/L		60	10 - 136
N-Nitrosodi-n-propylamine	25.0	16.7		ug/L		67	53 - 134
N-Nitrosodiphenylamine	24.8	14.9	*-	ug/L		60	62 - 132
Pentachlorophenol	50.0	47.0		ug/L		94	16 - 150
Phenol	25.0	25.0		ug/L		100	10 - 150
Pyridine	50.0	13.0		ug/L		26	10 - 150
Quinoline	49.9	20.1	*-	ug/L		40	50 - 150
2,4,5-Trichlorophenol	25.0	20.3		ug/L		81	10 - 150
2,4,6-Trichlorophenol	25.0	18.4		ug/L		74	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*70*		*43 - 147*
2,4,6-Tribromophenol	*111*		*10 - 150*

Lab Sample ID: LCS 400-706504/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	23.7		ug/L		47	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 150*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*92*		*50 - 150*
Phenol-d5	*76*		*10 - 150*
Terphenyl-d14	*83*		*43 - 147*
2,4,6-Tribromophenol	*98*		*10 - 150*

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	25.0	13.7		ug/L		55	44 - 122	3	40
Acenaphthylene	25.0	14.1		ug/L		57	42 - 125	3	40
Anthracene	25.0	15.4		ug/L		62	51 - 136	1	40

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

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene			25.0	15.4		ug/L		61	50 - 138	0	40
Benzo[a]pyrene			25.0	14.7		ug/L		59	53 - 134	0	40
Benzo[b]fluoranthene			25.0	16.0		ug/L		64	50 - 134	0	40
Benzo[g,h,i]perylene			25.0	14.8		ug/L		59	42 - 138	0	40
Benzo[k]fluoranthene			25.0	15.0		ug/L		60	55 - 136	1	40
Chrysene			25.0	14.8		ug/L		59	53 - 141	1	40
Dibenz(a,h)anthracene			25.0	15.2		ug/L		61	41 - 139	1	40
Fluoranthene			25.0	14.5		ug/L		58	49 - 141	1	40
Fluorene			25.0	15.2		ug/L		61	41 - 136	2	40
Indeno[1,2,3-cd]pyrene			25.0	15.0		ug/L		60	30 - 150	1	40
1-Methylnaphthalene			25.0	15.0		ug/L		60	36 - 117	2	40
2-Methylnaphthalene			25.0	15.1		ug/L		60	31 - 115	2	40
Phenanthrene			25.0	15.3		ug/L		61	50 - 133	3	40
Pyrene			25.0	15.1		ug/L		61	46 - 149	0	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*15 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			25.0	1.98	J *-	ug/L		8	10 - 150	32	40
Benzoic acid			214	390	E *+	ug/L		182	10 - 180	2	40
Benzyl alcohol			25.0	5.17	J	ug/L		21	10 - 150	6	40
Bis(2-chloroethoxy)methane			25.0	18.6		ug/L		75	60 - 123	1	40
Bis(2-chloroethyl)ether			25.0	15.7		ug/L		63	45 - 127	4	40
bis (2-chloroisopropyl) ether			25.0	15.2		ug/L		61	10 - 150	1	40
Bis(2-ethylhexyl) phthalate			25.0	18.2		ug/L		73	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	13.9		ug/L		56	50 - 126	0	40
Butyl benzyl phthalate			25.0	20.6		ug/L		83	36 - 137	6	40
4-Chloroaniline			25.0	8.00	J	ug/L		32	10 - 150	1	40
4-Chloro-3-methylphenol			25.0	20.1		ug/L		80	14 - 150	10	40
2-Chloronaphthalene			25.0	14.3		ug/L		57	44 - 122	5	40
2-Chlorophenol			25.0	18.2		ug/L		73	10 - 150	1	40
4-Chlorophenyl phenyl ether			25.0	12.9		ug/L		52	51 - 125	1	40
Dibenz[a,h]acridine			49.9	32.0		ug/L		64	50 - 150	2	40
Dibenzofuran			25.0	14.9		ug/L		59	55 - 125	0	40
3,3'-Dichlorobenzidine			33.3	16.0		ug/L		48	10 - 150	5	40
2,4-Dichlorophenol			25.0	20.1		ug/L		81	11 - 150	0	40
Diethyl phthalate			25.0	16.5		ug/L		66	61 - 130	0	40
2,4-Dimethylphenol			25.0	12.2		ug/L		49	5 - 150	4	40
Dimethyl phthalate			25.0	17.3		ug/L		69	55 - 139	0	40
Di-n-butyl phthalate			25.0	16.6		ug/L		66	50 - 150	3	40
4,6-Dinitro-ortho-cresol			50.0	45.2		ug/L		90	10 - 150	1	40

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

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol			50.0	43.5		ug/L		87	10 - 150	2	40
2,4-Dinitrotoluene			25.0	18.3		ug/L		73	46 - 137	0	40
2,6-Dinitrotoluene			25.0	21.0		ug/L		84	35 - 150	1	40
Di-n-octyl phthalate			25.0	20.4		ug/L		81	10 - 150	1	40
1,4-Dioxane			25.0	14.7		ug/L		59	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	14.3	I	ug/L		57	49 - 125	0	40
Hexachlorobenzene			25.0	14.5		ug/L		58	53 - 126	2	40
Hexachlorocyclopentadiene			25.0	20.8		ug/L		83	10 - 150	3	40
Hexachloroethane			25.0	14.0		ug/L		56	10 - 112	7	40
Indene			50.0	25.6		ug/L		51	50 - 150	17	40
Isophorone			25.0	15.3		ug/L		61	51 - 125	2	40
2-Methylphenol			25.0	16.6		ug/L		67	42 - 120	5	40
3 & 4 Methylphenol			25.0	22.8		ug/L		91	10 - 150	3	40
2-Nitroaniline			25.0	20.6		ug/L		83	10 - 150	0	40
3-Nitroaniline			25.0	20.5		ug/L		82	10 - 150	2	40
4-Nitroaniline			25.0	24.4		ug/L		98	10 - 144	1	40
Nitrobenzene			25.0	16.6		ug/L		67	57 - 138	4	40
2-Nitrophenol			25.0	25.0		ug/L		100	21 - 150	1	40
4-Nitrophenol			50.0	41.1		ug/L		82	10 - 150	9	40
N-Nitrosodimethylamine			25.0	15.6		ug/L		62	10 - 136	4	40
N-Nitrosodi-n-propylamine			25.0	17.0		ug/L		68	53 - 134	2	40
N-Nitrosodiphenylamine			24.8	14.9	*-	ug/L		60	62 - 132	0	40
Pentachlorophenol			50.0	45.9		ug/L		92	16 - 150	2	40
Phenol			25.0	25.6		ug/L		102	10 - 150	3	40
Pyridine			50.0	14.3		ug/L		29	10 - 150	10	40
Quinoline			49.9	19.3	*-	ug/L		39	50 - 150	4	40
2,4,5-Trichlorophenol			25.0	19.2		ug/L		77	10 - 150	6	40
2,4,6-Trichlorophenol			25.0	18.1		ug/L		72	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*113*		*10 - 150*
Nitrobenzene-d5	*89*		*50 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*69*		*43 - 147*
2,4,6-Tribromophenol	*102*		*10 - 150*

Lab Sample ID: LCSD 400-706504/5-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	22.2		ug/L		44	10 - 150	6	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
2-Fluorophenol	*112*		*10 - 150*

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

Lab Sample ID: LCSD 400-706504/5-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*96*		*50 - 150*
Phenol-d5	*83*		*10 - 150*
Terphenyl-d14	*83*		*43 - 147*
2,4,6-Tribromophenol	*100*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706600/1-A
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/22/25 09:56	04/22/25 17:46	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/22/25 09:56	04/22/25 17:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*04/22/25 09:56*	*04/22/25 17:46*	*1*

Lab Sample ID: LCS 400-706600/2-A
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706600

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0703		ug/L		70	60 - 140		
1,2-Dibromoethane			0.100	0.0978		ug/L		98	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*70*		*51 - 149*

Lab Sample ID: LCSD 400-706600/3-A
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706600

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0776		ug/L		77	60 - 140	10	30
1,2-Dibromoethane			0.100	0.104		ug/L		103	60 - 140	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*78*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/16/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 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: 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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 2.0 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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041625-8260	4/16/2025	0000	Water	2					2	X			
	TB-ROX-041625-8011	4/16/2025	0000	Water	2					2		X		
	ROST4PZE-ROX-041625	4/16/2025	1000	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-041625	4/16/2025	1105	Water	6			4		10	X	X	X	X
	ROST4PZC-ROX-041625-DUP	4/16/2025	1105	Water	6			4		10	X	X	X	X
	MW2-ROX-041625	4/16/2025	1215	Water	6			4		10	X	X	X	X
	ROST4PZG-ROX-041625	4/16/2025	1335	Water	6			4		10	X	X	X	X

400-274444 Chain of Custody

SM 04/16/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423496013570/ 423496013606	4/16/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/17/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 2779036, 2779037, 2779041, 2779040

6/17/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274444-1

Login Number: 274444
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	2.0°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: 400-274444-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	06-07-25
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274450-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/15/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/18/2025

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		

All SVOCs in samples P93D-ROX-041625 and P56-ROX-041625 were re-extracted 16 days outside of extraction time criteria (7 days) and then re-analyzed due to no, or low, quality control surrogate recoveries in the original preparation; both sets of data were reported. Results were comparable, therefore, based on professional judgement SVOCs in samples P93D-ROX-041625 and P56-ROX-041625 were reported from the primary run due to gross holding time exceedances in the secondary run.

Surrogate	Surrogate recoveries met acceptance criteria.		X		

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P93D-ROX-041625	SVOCs	2-Fluorophenol	**0**	10-150
P93D-ROX-041625	SVOCs	Nitrobenzene-d5	**46**	50-150
P93D-ROX-041625	SVOCs	Phenol-d5	**2**	10-150
P93D-ROX-041625	SVOCs	Terphenyl-d14	**38**	43-147
P93D-ROX-041625	SVOCs	2,4,6-Tribromophenol	**0**	10-150
P56-ROX-041625	SVOCs	2-Fluorophenol	**0**	10-150
P56-ROX-041625	SVOCs	Nitrobenzene-d5	**47**	50-150
P56-ROX-041625	SVOCs	Phenol-d5	**3**	10-150
P56-ROX-041625	SVOCs	Terphenyl-d14	**38**	43-147
P56-ROX-041625	SVOCs	2,4,6-Tribromophenol	**0**	10-150

Professional judgement was used to qualify as estimated, however, not reject the SVOCs results associated with samples P93D-ROX-041625 and P56-ROX-041625 due to poor surrogate recoveries. All SVOCs in samples P93D-ROX-041625 and P56-ROX-041625 were qualified as estimated (UJ/J).

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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
P93D-ROX-041625 MS/MSD	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50

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

Sample ID	Parameter	Analyte	Qualification
P93D-ROX-041625	VOCs	2-Chloroethyl vinyl ether	**UJ**

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.

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 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Indene	**43**/51	17	50-150/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	N-Nitrosodiphenylamine	**60/60**	0	62-132/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Quinoline	**40/39**	4	50-150/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Aniline	11/**8**	32	10-150/40
LCS 400-706504/2-A LCSD 400-706504/3-A	SVOCs	Benzoic Acid	**185**/**182**	2	10-180/40

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.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8270E (SVOCs) **Sample ID / Parameter / Analyte / Qualification** P59-ROX-041625 / SVOCs / Indene / **UJ** T12-ROX-0414625 / SVOCs / Indene / **UJ** P59-ROX-041625 / SVOCs / N-Nitrosodiphenylamine / **UJ** T12-ROX-0414625 / SVOCs / N-Nitrosodiphenylamine / **UJ** P59-ROX-041625 / SVOCs / Quinoline / **UJ** T12-ROX-0414625 / SVOCs / Quinoline / **UJ** P59-ROX-041625 / SVOCs / Aniline / **UJ** T12-ROX-0414625 / SVOCs / Aniline / **UJ** Indene, n-nitrosodiphenylamine, quinoline and aniline in samples P93D-ROX-041625 and P56-ROX-041625 were previously qualified due to surrogates outside evaluation criteria; no further qualification was required.					
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.
Reporting/Other	No other quality issues were noted that would impact the usability of this data set.	X			The laboratory report was revised on June 16, 2025, to revise reported false positives for pyridine.
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 and benzoic acid recovered outside evaluation criteria, biased high. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Benzyl alcohol, 2-methylphenol, 4-chloro-3-methylphenol, 4-nitrophenol, dibenz[a,h]acridine, and pyridine in samples P93D-ROX-041625 and P56-ROX-041625 were previously qualified due to surrogates outside evaluation criteria; no further qualification was required.

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
Method 8011 (VOCs) The continuous calibration verification (CCV) for 1,2-dibromo-3-chloropropane was outside evaluation criteria, biased low. Analytes are qualified as summarized in the following table.					

Sample ID	Parameter	Analyte	Qualification
P59-ROX-041625	SVOCs	Benzyl alcohol	**UJ**
T12-ROX-0414625	SVOCs	Benzyl alcohol	**UJ**
P59-ROX-041625	SVOCs	2-Methylphenol	**UJ**
T12-ROX-0414625	SVOCs	2-Methylphenol	**UJ**
P59-ROX-041625	SVOCs	4-Chloro-3-methylphenol	**UJ**
T12-ROX-0414625	SVOCs	4-Chloro-3-methylphenol	**UJ**
P93D-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
P56-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
P59-ROX-041625	SVOCs	Dimethyl phthalate	**UJ**
T12-ROX-0414625	SVOCs	Dimethyl phthalate	**UJ**
P59-ROX-041625	SVOCs	4-Nitrophenol	**UJ**
T12-ROX-0414625	SVOCs	4-Nitrophenol	**UJ**
P59-ROX-041625	SVOCs	Dibenz[a,h]acridine	**UJ**
T12-ROX-0414625	SVOCs	Dibenz[a,h]acridine	**UJ**
P59-ROX-041625	SVOCs	Benzoic acid	**J**
P59-ROX-041625	SVOCs	Pyridine	**UJ**
T12-ROX-0414625	SVOCs	Pyridine	**UJ**
P93D-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
P56-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
P59-ROX-041625	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**UJ**
T12-ROX-0414625	VOCs by 8011	1,2-Dibromo-3-Chloropropane	**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			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	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
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 6/16/2025 4:12:42 PM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274450-1

Reviewed 7/16/2025
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
400-274450-1

REVISION
Report revised to corrct false positive results. Supersedes report dated 5-14-2025.

The report being provided is a revision of the original report sent on 5/14/2025. The report (revision 1) is being revised due to report revised to fix false positives like 400-274448. Split job.

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 4/17/2025 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 0.0°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707579 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707579/2).

Method 8260D: The following sample was diluted due to the abundance of non-target analytes: P56-ROX-041625 (400-274450-4). Elevated reporting limits (RLs) are provided.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: P59-ROX-041625 (400-274450-5) and T12-ROX-0414625 (400-274450-6). 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-041625-8260-SS (400-274450-1), P93D-ROX-041625 (400-274450-3), P56-ROX-041625 (400-274450-4), P59-ROX-041625 (400-274450-5) and T12-ROX-0414625 (400-274450-6). 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-707579 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 400-707579 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: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: P93D-ROX-041625 (400-274450-3). These results have been reported and qualified.

Method 8270E_LL_QQQ: The following sample was re-prepared outside of preparation holding time due to low surrogates: P93D-ROX-041625 (400-274450-3). Both sets of data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-708152 recovered above the upper

control limit for Hexachlorocyclopentadiene. 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 400-708152 recovered outside acceptance criteria, low biased, for 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Benzyl alcohol, Dimethyl phthalate and Dibenz[a,h]acridine. 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 continuing calibration verification (CCV) associated with batch 400-708164 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate and Hexachlorocyclopentadiene. 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 400-708164 recovered outside acceptance criteria, low biased, for 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Aniline, Benzyl alcohol, Dibenz[a,h]acridine, Phenol and Pyridine. 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/LCSD associated with preparation batch 400-706504 and analytical batch 400-708315: Quinoline, N-Nitrosodiphenylamine and Aniline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E_QQQ: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-706504 and analytical batch 400-708315 recovered outside control limits for the following analytes: Benzoic acid. These analytes were biased high in the LCS and were not detected above the reporting limit in the associated samples; therefore, the data have been reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-708746 recovered outside acceptance criteria, low biased, for Pyridine. 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 sample was re-prepared outside of preparation holding time due to low surrogates: P93D-ROX-041625 (400-274450-3). Both sets of data are reported.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-708746 recovered above the upper control limit for Diethyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-708746/2).

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

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-706915 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-274450-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274450-1	TB-ROX-041625-8260-SS	Water	04/16/25 00:00	04/17/25 09:30
400-274450-2	TB-ROX-041625-8011-SS	Water	04/16/25 00:00	04/17/25 09:30
400-274450-3	P93D-ROX-041625	Water	04/16/25 10:00	04/17/25 09:30
400-274450-4	P56-ROX-041625	Water	04/16/25 11:45	04/17/25 09:30
400-274450-5	P59-ROX-041625	Water	04/16/25 13:00	04/17/25 09:30
400-274450-6	T12-ROX-0414625	Water	04/16/25 14:00	04/17/25 09:30

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: TB-ROX-041625-8260-SS — Lab Sample ID: 400-274450-1

No Detections.

Client Sample ID: TB-ROX-041625-8011-SS — Lab Sample ID: 400-274450-2

No Detections.

Client Sample ID: P93D-ROX-041625 — Lab Sample ID: 400-274450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.90	J	1.0	0.22	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.23	J J	10	0.070	ug/L	1		8270E	Total/NA
1,4-Dioxane	0.24	J H	9.6	0.068	ug/L	1		8270E	Total/NA

Client Sample ID: P56-ROX-041625 — Lab Sample ID: 400-274450-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	160		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	31		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	120		25	15	ug/L	5		8260D	Total/NA
N-Propylbenzene	36		5.0	3.5	ug/L	5		8260D	Total/NA
sec-Butylbenzene	4.3	J	5.0	3.5	ug/L	5		8260D	Total/NA
1,2,4-Trimethylbenzene	38		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	11		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	120		50	30	ug/L	5		8260D	Total/NA
Acenaphthene	1.1	J	0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthene	0.80	I H	0.22	0.092	ug/L	1		8270E	Total/NA
Acenaphthylene	0.077	J J	0.20	0.046	ug/L	1		8270E	Total/NA
Benzoic acid	31	J H	33	29	ug/L	1		8270E	Total/NA
Fluorene	0.61	J	0.20	0.086	ug/L	1		8270E	Total/NA
Fluorene	0.41	I H	0.22	0.095	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	10	J	0.20	0.065	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	6.0	I H	0.22	0.072	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	11	J	0.20	0.076	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	3.9	H	0.22	0.084	ug/L	1		8270E	Total/NA
Dibenzofuran	0.68	J J	9.9	0.15	ug/L	1		8270E	Total/NA
Dibenzofuran	0.52	J I H	11	0.16	ug/L	1		8270E	Total/NA
Phenanthrene	0.62	J	0.20	0.043	ug/L	1		8270E	Total/NA
Phenanthrene	0.33	H	0.22	0.048	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	4.1	J H	11	0.26	ug/L	1		8270E	Total/NA

Client Sample ID: P59-ROX-041625 — Lab Sample ID: 400-274450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	56	J	130	50	ug/L	5		8260D	Total/NA
Benzene	610		5.0	2.5	ug/L	5		8260D	Total/NA
2-Butanone (MEK)	14	J	130	13	ug/L	5		8260D	Total/NA
Ethylbenzene	180		5.0	2.5	ug/L	5		8260D	Total/NA
Isopropylbenzene	49		5.0	2.7	ug/L	5		8260D	Total/NA
m-Xylene & p-Xylene	340		25	15	ug/L	5		8260D	Total/NA
Naphthalene	32		25	15	ug/L	5		8260D	Total/NA
n-Butylbenzene	4.9	J	5.0	3.8	ug/L	5		8260D	Total/NA
N-Propylbenzene	82		5.0	3.5	ug/L	5		8260D	Total/NA
o-Xylene	23	J	25	15	ug/L	5		8260D	Total/NA
Toluene	110		5.0	4.5	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P59-ROX-041625 (Continued) — Lab Sample ID: 400-274450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	130		5.0	4.1	ug/L	5		8260D	Total/NA
1,3,5-Trimethylbenzene	67		5.0	2.8	ug/L	5		8260D	Total/NA
Xylenes, Total	360		50	30	ug/L	5		8260D	Total/NA
Acenaphthene	0.51		0.20	0.085	ug/L	1		8270E	Total/NA
Benzoic acid	27	J J	30	27	ug/L	1		8270E	Total/NA
Fluorene	0.27		0.20	0.087	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	13		0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	8.2		0.20	0.077	ug/L	1		8270E	Total/NA
Phenanthrene	0.13	J	0.20	0.044	ug/L	1		8270E	Total/NA
1,4-Dioxane	0.14	J	10	0.070	ug/L	1		8270E	Total/NA
Indene	1.0	J *-	10	0.44	ug/L	1		8270E	Total/NA
Phenol	3.1	J	10	0.27	ug/L	1		8270E	Total/NA

Client Sample ID: T12-ROX-0414625 — Lab Sample ID: 400-274450-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1800		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	110		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	35		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	630		50	30	ug/L	10		8260D	Total/NA
Naphthalene	50		50	30	ug/L	10		8260D	Total/NA
N-Propylbenzene	59		10	6.9	ug/L	10		8260D	Total/NA
o-Xylene	86		50	30	ug/L	10		8260D	Total/NA
Toluene	150		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	29		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	42		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	720		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.31	J	0.40	0.17	ug/L	1		8270E	Total/NA
Fluorene	0.25	J	0.40	0.17	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	15		0.40	0.13	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	24		0.40	0.15	ug/L	1		8270E	Total/NA
Phenanthrene	0.40		0.40	0.088	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	11	J *1 *-	20	0.48	ug/L	1		8270E	Total/NA
Indene	1.1	J *- J	20	0.88	ug/L	1		8270E	Total/NA
Phenol	80		20	0.54	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: TB-ROX-041625-8260-SS
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-1
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			04/30/25 11:41	1
Acrolein	ND		20	3.3	ug/L			04/30/25 11:41	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 11:41	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 11:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 11:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 11:41	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 11:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 11:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 11:41	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 11:41	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 11:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 11:41	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 11:41	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 11:41	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 11:41	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 11:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 11:41	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 11:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 11:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 11:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 11:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 11:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 11:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 11:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 11:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 11:41	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 11:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 11:41	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 11:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 11:41	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 11:41	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 11:41	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 11:41	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 11:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 11:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 11:41	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 11:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 11:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 11:41	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: TB-ROX-041625-8260-SS
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-1
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			04/30/25 11:41	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 11:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 11:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 11:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 11:41	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 11:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 11:41	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 11:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 11:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 11:41	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 11:41	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 11:41	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 11:41	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 11:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 11:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 11:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 11:41	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 11:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 11:41	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*56 - 136*		*04/30/25 11:41*	*1*
4-Bromofluorobenzene	*97*		*56 - 136*		*04/30/25 15:20*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*04/30/25 11:41*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*04/30/25 15:20*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/30/25 11:41*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*04/30/25 15:20*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: TB-ROX-041625-8011-SS
Date Collected: 04/16/25 00:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.035	0.020	ug/L		04/24/25 13:14	04/24/25 16:34	1
1,2-Dibromoethane	ND		0.023	0.018	ug/L		04/24/25 13:14	04/24/25 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*54*		*51 - 149*	*04/24/25 13:14*	*04/24/25 16:34*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
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			04/30/25 12:08	1
Acrolein	ND		20	3.3	ug/L			04/30/25 12:08	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 12:08	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 12:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 12:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 12:08	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 12:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 12:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 12:08	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 12:08	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 12:08	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/30/25 12:08	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 12:08	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 12:08	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 12:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 12:08	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 12:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 12:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 12:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 12:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 12:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 12:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 12:08	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 12:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 12:08	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 12:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 12:08	1
Methyl tert-butyl ether	**0.90**	**J**	1.0	0.22	ug/L			04/30/25 12:08	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 12:08	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 12:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 12:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 12:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 12:08	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 12:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 12:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 12:08	1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
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			04/30/25 12:08	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 12:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 12:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 12:08	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 12:08	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 12:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 12:08	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 12:08	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 12:08	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 12:08	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 12:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 12:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 12:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 12:08	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 12:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 12:08	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 12:08*	*1*
4-Bromofluorobenzene	*100*		*56 - 136*		*04/30/25 16:09*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*04/30/25 12:08*	*1*
Dibromofluoromethane	*106*		*79 - 130*		*04/30/25 16:09*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 12:08*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*04/30/25 16:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	UJ	0.20	0.085	ug/L		04/22/25 12:16	05/06/25 09:49	1
Acenaphthene	ND	H	0.19	0.082	ug/L		05/09/25 07:00	05/10/25 21:13	1
Aniline	ND	*- UJ	10	0.74	ug/L		04/22/25 12:16	05/06/25 09:49	1
Aniline	ND	H	9.6	0.71	ug/L		05/09/25 07:00	05/10/25 21:13	1
Acenaphthylene	ND	UJ	0.20	0.047	ug/L		04/22/25 12:16	05/06/25 09:49	1
Acenaphthylene	ND	H	0.19	0.045	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzenethiol	ND	UJ	10	0.60	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzenethiol	ND	H	9.6	0.58	ug/L		05/09/25 07:00	05/10/25 21:13	1
Anthracene	ND	J	0.20	0.073	ug/L		04/22/25 12:16	05/06/25 09:49	1
Anthracene	ND	H	0.19	0.070	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzoic acid	ND	*+ UJ	30	27	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzoic acid	ND	H	29	26	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzo[a]anthracene	ND	UJ	0.20	0.040	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzo[a]anthracene	ND	H	0.19	0.039	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzyl alcohol	ND	UJ	10	1.8	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzyl alcohol	ND	H	9.6	1.8	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzo[a]pyrene	ND	UJ	0.20	0.045	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzo[a]pyrene	ND	H	0.19	0.043	ug/L		05/09/25 07:00	05/10/25 21:13	1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND	UJ	10	0.34	ug/L		04/22/25 12:16	05/06/25 09:49	1
Bis(2-chloroethoxy)methane	ND	H	9.6	0.33	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzo[b]fluoranthene	ND	UJ	0.20	0.042	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzo[b]fluoranthene	ND	H	0.19	0.041	ug/L		05/09/25 07:00	05/10/25 21:13	1
Bis(2-chloroethyl)ether	ND	UJ	10	0.14	ug/L		04/22/25 12:16	05/06/25 09:49	1
Bis(2-chloroethyl)ether	ND	H	9.6	0.14	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.052	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzo[g,h,i]perylene	ND	H	0.19	0.050	ug/L		05/09/25 07:00	05/10/25 21:13	1
bis (2-chloroisopropyl) ether	ND	UJ	10	0.20	ug/L		04/22/25 12:16	05/06/25 09:49	1
bis (2-chloroisopropyl) ether	ND	H	9.6	0.19	ug/L		05/09/25 07:00	05/10/25 21:13	1
Benzo[k]fluoranthene	ND	UJ	0.20	0.040	ug/L		04/22/25 12:16	05/06/25 09:49	1
Benzo[k]fluoranthene	ND	H	0.19	0.039	ug/L		05/09/25 07:00	05/10/25 21:13	1
Bis(2-ethylhexyl) phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Bis(2-ethylhexyl) phthalate	ND	H	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Bromophenyl phenyl ether	ND	UJ	10	0.13	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Bromophenyl phenyl ether	ND	H	9.6	0.13	ug/L		05/09/25 07:00	05/10/25 21:13	1
Chrysene	ND	UJ	0.20	0.039	ug/L		04/22/25 12:16	05/06/25 09:49	1
Chrysene	ND	H	0.19	0.038	ug/L		05/09/25 07:00	05/10/25 21:13	1
Butyl benzyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Butyl benzyl phthalate	ND	H	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.044	ug/L		04/22/25 12:16	05/06/25 09:49	1
Dibenz(a,h)anthracene	ND	H	0.19	0.042	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Chloroaniline	ND	UJ	10	0.28	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Chloroaniline	ND	H	9.6	0.27	ug/L		05/09/25 07:00	05/10/25 21:13	1
Fluoranthene	ND	UJ	0.20	0.032	ug/L		04/22/25 12:16	05/06/25 09:49	1
Fluoranthene	ND	H	0.19	0.031	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Chloro-3-methylphenol	ND	UJ	10	0.73	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Chloro-3-methylphenol	ND	H	9.6	0.70	ug/L		05/09/25 07:00	05/10/25 21:13	1
Fluorene	ND	UJ	0.20	0.087	ug/L		04/22/25 12:16	05/06/25 09:49	1
Fluorene	ND	H	0.19	0.084	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Chloronaphthalene	ND	UJ	10	0.38	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Chloronaphthalene	ND	H	9.6	0.37	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Chlorophenol	ND	UJ	10	0.22	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Chlorophenol	ND	H	9.6	0.21	ug/L		05/09/25 07:00	05/10/25 21:13	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		04/22/25 12:16	05/06/25 09:49	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.031	ug/L		05/09/25 07:00	05/10/25 21:13	1
1-Methylnaphthalene	ND	UJ	0.20	0.066	ug/L		04/22/25 12:16	05/06/25 09:49	1
1-Methylnaphthalene	ND	H	0.19	0.064	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Chlorophenyl phenyl ether	ND	UJ	10	0.24	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Chlorophenyl phenyl ether	ND	H	9.6	0.23	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Methylnaphthalene	ND	UJ	0.20	0.077	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Methylnaphthalene	ND	H	0.19	0.074	ug/L		05/09/25 07:00	05/10/25 21:13	1
Dibenz[a,h]acridine	ND	UJ	10	0.69	ug/L		04/22/25 12:16	05/06/25 09:49	1
Dibenz[a,h]acridine	ND	H	9.6	0.67	ug/L		05/09/25 07:00	05/10/25 21:13	1
Dibenzofuran	ND	UJ	10	0.15	ug/L		04/22/25 12:16	05/06/25 09:49	1
Dibenzofuran	ND	H	9.6	0.14	ug/L		05/09/25 07:00	05/10/25 21:13	1
3,3'-Dichlorobenzidine	ND	UJ	11	0.41	ug/L		04/22/25 12:16	05/06/25 09:49	1
3,3'-Dichlorobenzidine	ND	H	11	0.40	ug/L		05/09/25 07:00	05/10/25 21:13	1
Phenanthrene	ND	UJ	0.20	0.044	ug/L		04/22/25 12:16	05/06/25 09:49	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND	H	0.19	0.042	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4-Dichlorophenol	ND	UJ	10	0.57	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4-Dichlorophenol	ND	H	9.6	0.55	ug/L		05/09/25 07:00	05/10/25 21:13	1
Pyrene	ND	UJ	0.20	0.095	ug/L		04/22/25 12:16	05/06/25 09:49	1
Pyrene	ND	H	0.19	0.092	ug/L		05/09/25 07:00	05/10/25 21:13	1
Diethyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Diethyl phthalate	ND	H *-	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4-Dimethylphenol	ND	UJ	10	0.24	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4-Dimethylphenol	ND	H	9.6	0.23	ug/L		05/09/25 07:00	05/10/25 21:13	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Dimethyl phthalate	ND	H	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
Di-n-butyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Di-n-butyl phthalate	ND	H	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
4,6-Dinitro-ortho-cresol	ND	H	9.6	1.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4-Dinitrophenol	ND	H	29	4.5	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4-Dinitrotoluene	ND	UJ	10	0.65	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4-Dinitrotoluene	ND	H	9.6	0.63	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,6-Dinitrotoluene	ND	UJ	10	0.29	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,6-Dinitrotoluene	ND	H	9.6	0.28	ug/L		05/09/25 07:00	05/10/25 21:13	1
Di-n-octyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 09:49	1
Di-n-octyl phthalate	ND	H	9.6	3.9	ug/L		05/09/25 07:00	05/10/25 21:13	1
1,4-Dioxane	**0.23**	**J** J	10	0.070	ug/L		04/22/25 12:16	05/06/25 09:49	1
1,4-Dioxane	**0.24**	**J H**	9.6	0.068	ug/L		05/09/25 07:00	05/10/25 21:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	UJ	10	0.32	ug/L		04/22/25 12:16	05/06/25 09:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.6	0.31	ug/L		05/09/25 07:00	05/10/25 21:13	1
Hexachlorobenzene	ND	UJ	10	0.25	ug/L		04/22/25 12:16	05/06/25 09:49	1
Hexachlorobenzene	ND	H	9.6	0.24	ug/L		05/09/25 07:00	05/10/25 21:13	1
Hexachlorocyclopentadiene	ND	UJ	20	0.32	ug/L		04/22/25 12:16	05/06/25 09:49	1
Hexachlorocyclopentadiene	ND	H	19	0.31	ug/L		05/09/25 07:00	05/10/25 21:13	1
Hexachloroethane	ND	UJ	10	0.53	ug/L		04/22/25 12:16	05/06/25 09:49	1
Hexachloroethane	ND	H	9.6	0.51	ug/L		05/09/25 07:00	05/10/25 21:13	1
Indene	ND	*- UJ	10	0.44	ug/L		04/22/25 12:16	05/06/25 09:49	1
Indene	ND	H	9.6	0.42	ug/L		05/09/25 07:00	05/10/25 21:13	1
Isophorone	ND	UJ	10	0.80	ug/L		04/22/25 12:16	05/06/25 09:49	1
Isophorone	ND	H	9.6	0.77	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Methylphenol	ND	H	9.6	0.29	ug/L		05/09/25 07:00	05/10/25 21:13	1
3 & 4 Methylphenol	ND	UJ	20	0.18	ug/L		04/22/25 12:16	05/06/25 09:49	1
3 & 4 Methylphenol	ND	H	19	0.17	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Nitroaniline	ND	UJ	10	1.4	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Nitroaniline	ND	H	9.6	1.3	ug/L		05/09/25 07:00	05/10/25 21:13	1
3-Nitroaniline	ND	UJ	10	0.95	ug/L		04/22/25 12:16	05/06/25 09:49	1
3-Nitroaniline	ND	H	9.6	0.92	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Nitroaniline	ND	UJ	10	1.2	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Nitroaniline	ND	H	9.6	1.2	ug/L		05/09/25 07:00	05/10/25 21:13	1
Nitrobenzene	ND	UJ	10	0.60	ug/L		04/22/25 12:16	05/06/25 09:49	1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	H	9.6	0.58	ug/L		05/09/25 07:00	05/10/25 21:13	1
2-Nitrophenol	ND	UJ	10	1.2	ug/L		04/22/25 12:16	05/06/25 09:49	1
2-Nitrophenol	ND	H	9.6	1.1	ug/L		05/09/25 07:00	05/10/25 21:13	1
4-Nitrophenol	ND	UJ	10	2.7	ug/L		04/22/25 12:16	05/06/25 09:49	1
4-Nitrophenol	ND	H	9.6	2.6	ug/L		05/09/25 07:00	05/10/25 21:13	1
N-Nitrosodimethylamine	ND	UJ	10	0.23	ug/L		04/22/25 12:16	05/06/25 09:49	1
N-Nitrosodimethylamine	ND	H	9.6	0.22	ug/L		05/09/25 07:00	05/10/25 21:13	1
N-Nitrosodi-n-propylamine	ND	UJ	10	0.33	ug/L		04/22/25 12:16	05/06/25 09:49	1
N-Nitrosodi-n-propylamine	ND	H	9.6	0.32	ug/L		05/09/25 07:00	05/10/25 21:13	1
N-Nitrosodiphenylamine	ND	*- UJ	10	0.19	ug/L		04/22/25 12:16	05/06/25 09:49	1
N-Nitrosodiphenylamine	ND	H	9.6	0.18	ug/L		05/09/25 07:00	05/10/25 21:13	1
Pentachlorophenol	ND	UJ	10	0.41	ug/L		04/22/25 12:16	05/06/25 09:49	1
Pentachlorophenol	ND	H	9.6	0.40	ug/L		05/09/25 07:00	05/10/25 21:13	1
Phenol	ND	UJ	10	0.27	ug/L		04/22/25 12:16	05/06/25 09:49	1
Phenol	ND	H	9.6	0.26	ug/L		05/09/25 07:00	05/10/25 21:13	1
Pyridine	ND	UJ	10	0.64	ug/L		04/22/25 12:16	05/06/25 09:49	1
Pyridine	ND	H	9.6	0.62	ug/L		05/09/25 07:00	05/10/25 21:13	1
Quinoline	ND	*- J	10	0.50	ug/L		04/22/25 12:16	05/06/25 09:49	1
Quinoline	ND	H	9.6	0.48	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4,5-Trichlorophenol	ND	UJ	10	0.54	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4,5-Trichlorophenol	ND	H	9.6	0.52	ug/L		05/09/25 07:00	05/10/25 21:13	1
2,4,6-Trichlorophenol	ND	UJ	10	1.1	ug/L		04/22/25 12:16	05/06/25 09:49	1
2,4,6-Trichlorophenol	ND	H	9.6	1.1	ug/L		05/09/25 07:00	05/10/25 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*41*		*15 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
2-Fluorobiphenyl	*56*		*15 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
Nitrobenzene-d5	*46*	*S1-*	*50 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
Nitrobenzene-d5	*63*		*50 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
Terphenyl-d14	*38*	*S1-*	*43 - 147*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
Terphenyl-d14	*39*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
2-Fluorobiphenyl	*41*		*15 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
2-Fluorobiphenyl	*56*		*15 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
2-Fluorophenol	*0*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
2-Fluorophenol	*73*		*10 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
Nitrobenzene-d5	*46*	*S1-*	*50 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
Nitrobenzene-d5	*63*		*50 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
Phenol-d5	*2*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
Phenol-d5	*75*		*10 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
Terphenyl-d14	*38*	*S1-*	*43 - 147*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
Terphenyl-d14	*39*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/10/25 21:13*	*1*
2,4,6-Tribromophenol	*0*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 09:49*	*1*
2,4,6-Tribromophenol	*66*		*10 - 150*	*05/09/25 07:00*	*05/10/25 21:13*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.032	0.018	ug/L		04/24/25 13:14	04/24/25 16:55	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/24/25 13:14	04/24/25 16:55	1

Client Sample Results

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P93D-ROX-041625
Date Collected: 04/16/25 10:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	72		51 - 149	04/24/25 13:14	04/24/25 16:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P56-ROX-041625
Date Collected: 04/16/25 11:45
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-4
Matrix: Water

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			04/30/25 12:34	5
Acrolein	ND		100	17	ug/L			04/30/25 12:34	5
Acrylonitrile	ND		50	14	ug/L			04/30/25 12:34	5
Benzene	ND		5.0	2.5	ug/L			04/30/25 12:34	5
Bromobenzene	ND		5.0	2.7	ug/L			04/30/25 12:34	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/30/25 12:34	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
Bromoform	ND		25	1.3	ug/L			04/30/25 12:34	5
Bromomethane	ND		5.0	4.9	ug/L			04/30/25 12:34	5
2-Butanone (MEK)	ND		130	13	ug/L			04/30/25 12:34	5
Carbon disulfide	ND		5.0	2.5	ug/L			04/30/25 12:34	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			04/30/25 12:34	5
Chlorobenzene	ND		5.0	2.1	ug/L			04/30/25 12:34	5
Chloroethane	ND		5.0	3.8	ug/L			04/30/25 12:34	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/30/25 12:34	5
Chloroform	ND		5.0	4.5	ug/L			04/30/25 12:34	5
1-Chlorohexane	ND		5.0	1.6	ug/L			04/30/25 12:34	5
Chloromethane	ND		5.0	2.0	ug/L			04/30/25 12:34	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			04/30/25 12:34	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/30/25 12:34	5
Dibromochloromethane	ND		5.0	1.2	ug/L			04/30/25 12:34	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/30/25 12:34	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/30/25 12:34	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/30/25 12:34	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/30/25 12:34	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			04/30/25 12:34	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/30/25 12:34	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			04/30/25 12:34	5
Ethylbenzene	**160**		5.0	2.5	ug/L			04/30/25 12:34	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/30/25 12:34	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/30/25 12:34	5
2-Hexanone	ND		130	21	ug/L			04/30/25 12:34	5
Isopropylbenzene	**31**		5.0	2.7	ug/L			04/30/25 12:34	5
Methylene bromide	ND		25	1.1	ug/L			04/30/25 12:34	5
Methylene Chloride	ND		25	15	ug/L			04/30/25 12:34	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/30/25 12:34	5
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			04/30/25 12:34	5
m-Xylene & p-Xylene	**120**		25	15	ug/L			04/30/25 12:34	5
Naphthalene	ND		25	15	ug/L			04/30/25 12:34	5
n-Butylbenzene	ND		5.0	3.8	ug/L			04/30/25 12:34	5
N-Propylbenzene	**36**		5.0	3.5	ug/L			04/30/25 12:34	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/30/25 12:34	5
o-Xylene	ND		25	15	ug/L			04/30/25 12:34	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/30/25 12:34	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/30/25 12:34	5

Client Sample ID: P56-ROX-041625

Date Collected: 04/16/25 11:45
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-4

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	**4.3**	**J**	5.0	3.5	ug/L			04/30/25 12:34	5
Styrene	ND		5.0	5.0	ug/L			04/30/25 12:34	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			04/30/25 12:34	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			04/30/25 12:34	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/30/25 12:34	5
Tetrachloroethene	ND		5.0	1.7	ug/L			04/30/25 12:34	5
Toluene	ND		5.0	4.5	ug/L			04/30/25 12:34	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/30/25 12:34	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			04/30/25 12:34	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			04/30/25 12:34	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/30/25 12:34	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			04/30/25 12:34	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			04/30/25 12:34	5
Trichloroethene	ND		5.0	0.75	ug/L			04/30/25 12:34	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			04/30/25 12:34	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/30/25 12:34	5
1,2,4-Trimethylbenzene	**38**		5.0	4.1	ug/L			04/30/25 12:34	5
1,3,5-Trimethylbenzene	**11**		5.0	2.8	ug/L			04/30/25 12:34	5
Vinyl acetate	ND		130	4.7	ug/L			04/30/25 12:34	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/30/25 12:34	5
Xylenes, Total	**120**		50	30	ug/L			04/30/25 12:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 12:34*	*5*
Dibromofluoromethane	*109*		*79 - 130*		*04/30/25 12:34*	*5*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/30/25 12:34*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.1**	J	0.20	0.084	ug/L		04/22/25 12:16	05/06/25 10:20	1
Acenaphthene	**0.80**	**I H**	0.22	0.092	ug/L		05/09/25 07:00	05/10/25 21:43	1
Aniline	ND	UJ	9.9	0.73	ug/L		04/22/25 12:16	05/06/25 10:20	1
Aniline	ND	H	11	0.80	ug/L		05/09/25 07:00	05/10/25 21:43	1
Acenaphthylene	**0.077**	**J** J	0.20	0.046	ug/L		04/22/25 12:16	05/06/25 10:20	1
Acenaphthylene	ND	H	0.22	0.051	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzenethiol	ND	UJ	9.9	0.59	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzenethiol	ND	H	11	0.65	ug/L		05/09/25 07:00	05/10/25 21:43	1
Anthracene	ND	UJ	0.20	0.072	ug/L		04/22/25 12:16	05/06/25 10:20	1
Anthracene	ND	H	0.22	0.079	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzoic acid	ND	UJ	30	27	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzoic acid	**31**	**J H**	33	29	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzo[a]anthracene	ND	UJ	0.20	0.039	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzo[a]anthracene	ND	H	0.22	0.043	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzyl alcohol	ND	*1 *- UJ	9.9	1.8	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzyl alcohol	ND	H	11	2.0	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzo[a]pyrene	ND	UJ	0.20	0.044	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzo[a]pyrene	ND	H	0.22	0.049	ug/L		05/09/25 07:00	05/10/25 21:43	1
Bis(2-chloroethoxy)methane	ND	UJ	9.9	0.34	ug/L		04/22/25 12:16	05/06/25 10:20	1
Bis(2-chloroethoxy)methane	ND	H	11	0.37	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzo[b]fluoranthene	ND	UJ	0.20	0.041	ug/L		04/22/25 12:16	05/06/25 10:20	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P56-ROX-041625
Date Collected: 04/16/25 11:45
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND	H	0.22	0.046	ug/L		05/09/25 07:00	05/10/25 21:43	1
Bis(2-chloroethyl)ether	ND	UJ	9.9	0.14	ug/L		04/22/25 12:16	05/06/25 10:20	1
Bis(2-chloroethyl)ether	ND	H	11	0.15	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.051	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzo[g,h,i]perylene	ND	H	0.22	0.057	ug/L		05/09/25 07:00	05/10/25 21:43	1
bis (2-chloroisopropyl) ether	ND	UJ	9.9	0.20	ug/L		04/22/25 12:16	05/06/25 10:20	1
bis (2-chloroisopropyl) ether	ND	H	11	0.22	ug/L		05/09/25 07:00	05/10/25 21:43	1
Benzo[k]fluoranthene	ND	UJ	0.20	0.039	ug/L		04/22/25 12:16	05/06/25 10:20	1
Benzo[k]fluoranthene	ND	H	0.22	0.043	ug/L		05/09/25 07:00	05/10/25 21:43	1
Bis(2-ethylhexyl) phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Bis(2-ethylhexyl) phthalate	ND	H	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
4-Bromophenyl phenyl ether	ND	UJ	9.9	0.13	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Bromophenyl phenyl ether	ND	H	11	0.14	ug/L		05/09/25 07:00	05/10/25 21:43	1
Chrysene	ND	UJ	0.20	0.038	ug/L		04/22/25 12:16	05/06/25 10:20	1
Chrysene	ND	H	0.22	0.042	ug/L		05/09/25 07:00	05/10/25 21:43	1
Butyl benzyl phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Butyl benzyl phthalate	ND	H	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
Dibenz(a,h)anthracene	ND	UJ	0.20	0.043	ug/L		04/22/25 12:16	05/06/25 10:20	1
Dibenz(a,h)anthracene	ND	H	0.22	0.048	ug/L		05/09/25 07:00	05/10/25 21:43	1
4-Chloroaniline	ND	UJ	9.9	0.28	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Chloroaniline	ND	H	11	0.30	ug/L		05/09/25 07:00	05/10/25 21:43	1
Fluoranthene	ND	UJ	0.20	0.032	ug/L		04/22/25 12:16	05/06/25 10:20	1
Fluoranthene	ND	H	0.22	0.035	ug/L		05/09/25 07:00	05/10/25 21:43	1
4-Chloro-3-methylphenol	ND	*- UJ	9.9	0.72	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Chloro-3-methylphenol	ND	H	11	0.79	ug/L		05/09/25 07:00	05/10/25 21:43	1
Fluorene	**0.61**	J	0.20	0.086	ug/L		04/22/25 12:16	05/06/25 10:20	1
Fluorene	**0.41**	**I H**	0.22	0.095	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Chloronaphthalene	ND	UJ	9.9	0.38	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Chloronaphthalene	ND	H	11	0.41	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Chlorophenol	ND	UJ	9.9	0.22	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Chlorophenol	ND	H	11	0.24	ug/L		05/09/25 07:00	05/10/25 21:43	1
Indeno[1,2,3-cd]pyrene	ND	UJ	0.20	0.032	ug/L		04/22/25 12:16	05/06/25 10:20	1
Indeno[1,2,3-cd]pyrene	ND	H	0.22	0.035	ug/L		05/09/25 07:00	05/10/25 21:43	1
1-Methylnaphthalene	**10**	J	0.20	0.065	ug/L		04/22/25 12:16	05/06/25 10:20	1
1-Methylnaphthalene	**6.0**	**I H**	0.22	0.072	ug/L		05/09/25 07:00	05/10/25 21:43	1
4-Chlorophenyl phenyl ether	ND	UJ	9.9	0.24	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Chlorophenyl phenyl ether	ND	H	11	0.26	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Methylnaphthalene	**11**	J	0.20	0.076	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Methylnaphthalene	**3.9**	**H**	0.22	0.084	ug/L		05/09/25 07:00	05/10/25 21:43	1
Dibenz[a,h]acridine	ND	UJ	9.9	0.68	ug/L		04/22/25 12:16	05/06/25 10:20	1
Dibenz[a,h]acridine	ND	H	11	0.75	ug/L		05/09/25 07:00	05/10/25 21:43	1
Dibenzofuran	**0.68**	**J** J	9.9	0.15	ug/L		04/22/25 12:16	05/06/25 10:20	1
Dibenzofuran	**0.52**	**J I H**	11	0.16	ug/L		05/09/25 07:00	05/10/25 21:43	1
3,3'-Dichlorobenzidine	ND	UJ	11	0.40	ug/L		04/22/25 12:16	05/06/25 10:20	1
3,3'-Dichlorobenzidine	ND	H	12	0.45	ug/L		05/09/25 07:00	05/10/25 21:43	1
Phenanthrene	**0.62**	UJ	0.20	0.043	ug/L		04/22/25 12:16	05/06/25 10:20	1
Phenanthrene	**0.33**	**H**	0.22	0.048	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4-Dichlorophenol	ND	UJ	9.9	0.56	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4-Dichlorophenol	ND	H	11	0.62	ug/L		05/09/25 07:00	05/10/25 21:43	1

Client Sample ID: P56-ROX-041625
Lab Sample ID: 400-274450-4

Date Collected: 04/16/25 11:45
Matrix: Water

Date Received: 04/17/25 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND	UJ	0.20	0.094	ug/L		04/22/25 12:16	05/06/25 10:20	1
Pyrene	ND	H	0.22	0.10	ug/L		05/09/25 07:00	05/10/25 21:43	1
Diethyl phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Diethyl phthalate	ND	H *-	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4-Dimethylphenol	ND	*1 *- UJ	9.9	0.24	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4-Dimethylphenol	**4.1**	**J H**	11	0.26	ug/L		05/09/25 07:00	05/10/25 21:43	1
Dimethyl phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Dimethyl phthalate	ND	H	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
Di-n-butyl phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Di-n-butyl phthalate	ND	H	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	1.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
4,6-Dinitro-ortho-cresol	ND	H	11	2.1	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4-Dinitrophenol	ND	UJ	30	4.6	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4-Dinitrophenol	ND	H	33	5.1	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4-Dinitrotoluene	ND	UJ	9.9	0.64	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4-Dinitrotoluene	ND	H	11	0.71	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,6-Dinitrotoluene	ND	UJ	9.9	0.29	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,6-Dinitrotoluene	ND	H	11	0.32	ug/L		05/09/25 07:00	05/10/25 21:43	1
Di-n-octyl phthalate	ND	UJ	9.9	3.9	ug/L		04/22/25 12:16	05/06/25 10:20	1
Di-n-octyl phthalate	ND	H	11	4.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
1,4-Dioxane	ND	UJ	9.9	0.069	ug/L		04/22/25 12:16	05/06/25 10:20	1
1,4-Dioxane	ND	H	11	0.076	ug/L		05/09/25 07:00	05/10/25 21:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	UJ	9.9	0.32	ug/L		04/22/25 12:16	05/06/25 10:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	11	0.35	ug/L		05/09/25 07:00	05/10/25 21:43	1
Hexachlorobenzene	ND	UJ	9.9	0.25	ug/L		04/22/25 12:16	05/06/25 10:20	1
Hexachlorobenzene	ND	H	11	0.27	ug/L		05/09/25 07:00	05/10/25 21:43	1
Hexachlorocyclopentadiene	ND	UJ	20	0.32	ug/L		04/22/25 12:16	05/06/25 10:20	1
Hexachlorocyclopentadiene	ND	H	22	0.35	ug/L		05/09/25 07:00	05/10/25 21:43	1
Hexachloroethane	ND	UJ	9.9	0.52	ug/L		04/22/25 12:16	05/06/25 10:20	1
Hexachloroethane	ND	H	11	0.58	ug/L		05/09/25 07:00	05/10/25 21:43	1
Indene	ND	*- UJ	9.9	0.43	ug/L		04/22/25 12:16	05/06/25 10:20	1
Indene	ND	H	11	0.48	ug/L		05/09/25 07:00	05/10/25 21:43	1
Isophorone	ND	UJ	9.9	0.79	ug/L		04/22/25 12:16	05/06/25 10:20	1
Isophorone	ND	H	11	0.87	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Methylphenol	ND	*- UJ	9.9	0.30	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Methylphenol	ND	H	11	0.33	ug/L		05/09/25 07:00	05/10/25 21:43	1
3 & 4 Methylphenol	ND	*1 UJ	20	0.18	ug/L		04/22/25 12:16	05/06/25 10:20	1
3 & 4 Methylphenol	ND	H	22	0.20	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Nitroaniline	ND	UJ	9.9	1.4	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Nitroaniline	ND	H	11	1.5	ug/L		05/09/25 07:00	05/10/25 21:43	1
3-Nitroaniline	ND	UJ	9.9	0.94	ug/L		04/22/25 12:16	05/06/25 10:20	1
3-Nitroaniline	ND	H	11	1.0	ug/L		05/09/25 07:00	05/10/25 21:43	1
4-Nitroaniline	ND	UJ	9.9	1.2	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Nitroaniline	ND	H	11	1.3	ug/L		05/09/25 07:00	05/10/25 21:43	1
Nitrobenzene	ND	UJ	9.9	0.59	ug/L		04/22/25 12:16	05/06/25 10:20	1
Nitrobenzene	ND	H	11	0.65	ug/L		05/09/25 07:00	05/10/25 21:43	1
2-Nitrophenol	ND	UJ	9.9	1.2	ug/L		04/22/25 12:16	05/06/25 10:20	1
2-Nitrophenol	ND	H	11	1.3	ug/L		05/09/25 07:00	05/10/25 21:43	1

Client Sample ID: P56-ROX-041625
Date Collected: 04/16/25 11:45
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/22/25 12:16	05/06/25 10:20	1
4-Nitrophenol	ND	H	11	3.0	ug/L		05/09/25 07:00	05/10/25 21:43	1
N-Nitrosodimethylamine	ND	UJ	9.9	0.23	ug/L		04/22/25 12:16	05/06/25 10:20	1
N-Nitrosodimethylamine	ND	H	11	0.25	ug/L		05/09/25 07:00	05/10/25 21:43	1
N-Nitrosodi-n-propylamine	ND	UJ	9.9	0.33	ug/L		04/22/25 12:16	05/06/25 10:20	1
N-Nitrosodi-n-propylamine	ND	H	11	0.36	ug/L		05/09/25 07:00	05/10/25 21:43	1
N-Nitrosodiphenylamine	ND	UJ	9.9	0.19	ug/L		04/22/25 12:16	05/06/25 10:20	1
N-Nitrosodiphenylamine	ND	H	11	0.21	ug/L		05/09/25 07:00	05/10/25 21:43	1
Pentachlorophenol	ND	UJ	9.9	0.40	ug/L		04/22/25 12:16	05/06/25 10:20	1
Pentachlorophenol	ND	H	11	0.45	ug/L		05/09/25 07:00	05/10/25 21:43	1
Phenol	ND	UJ	9.9	0.27	ug/L		04/22/25 12:16	05/06/25 10:20	1
Phenol	ND	H	11	0.29	ug/L		05/09/25 07:00	05/10/25 21:43	1
Pyridine	ND	UJ	9.9	0.63	ug/L		04/22/25 12:16	05/06/25 10:20	1
Pyridine	ND	H	11	0.70	ug/L		05/09/25 07:00	05/10/25 21:43	1
Quinoline	ND	*- UJ	9.9	0.49	ug/L		04/22/25 12:16	05/06/25 10:20	1
Quinoline	ND	H	11	0.54	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4,5-Trichlorophenol	ND	UJ	9.9	0.53	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4,5-Trichlorophenol	ND	H	11	0.59	ug/L		05/09/25 07:00	05/10/25 21:43	1
2,4,6-Trichlorophenol	ND	UJ	9.9	1.1	ug/L		04/22/25 12:16	05/06/25 10:20	1
2,4,6-Trichlorophenol	ND	H	11	1.2	ug/L		05/09/25 07:00	05/10/25 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*42*		*15 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
2-Fluorobiphenyl	*53*		*15 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
Nitrobenzene-d5	*47*	*S1-*	*50 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
Nitrobenzene-d5	*64*	*I*	*50 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
Terphenyl-d14	*38*	*S1-*	*43 - 147*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
Terphenyl-d14	*40*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
2-Fluorobiphenyl	*42*		*15 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
2-Fluorobiphenyl	*53*		*15 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
2-Fluorophenol	*0*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
2-Fluorophenol	*80*	*I*	*10 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
Nitrobenzene-d5	*47*	*S1-*	*50 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
Nitrobenzene-d5	*64*	*I*	*50 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
Phenol-d5	*3*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
Phenol-d5	*93*		*10 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
Terphenyl-d14	*38*	*S1-*	*43 - 147*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
Terphenyl-d14	*40*	*S1-*	*43 - 147*	*05/09/25 07:00*	*05/10/25 21:43*	*1*
2,4,6-Tribromophenol	*0*	*S1-*	*10 - 150*	*04/22/25 12:16*	*05/06/25 10:20*	*1*
2,4,6-Tribromophenol	*65*	*I*	*10 - 150*	*05/09/25 07:00*	*05/10/25 21:43*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.031	0.017	ug/L		04/24/25 13:14	04/24/25 17:16	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/24/25 13:14	04/24/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*66*		*51 - 149*	*04/24/25 13:14*	*04/24/25 17:16*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P59-ROX-041625
Date Collected: 04/16/25 13:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**56**	**J**	130	50	ug/L			04/30/25 13:01	5
Acrolein	ND		100	17	ug/L			04/30/25 13:01	5
Acrylonitrile	ND		50	14	ug/L			04/30/25 13:01	5
Benzene	**610**		5.0	2.5	ug/L			04/30/25 13:01	5
Bromobenzene	ND		5.0	2.7	ug/L			04/30/25 13:01	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/30/25 13:01	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
Bromoform	ND		25	1.3	ug/L			04/30/25 13:01	5
Bromomethane	ND		5.0	4.9	ug/L			04/30/25 13:01	5
2-Butanone (MEK)	**14**	**J**	130	13	ug/L			04/30/25 13:01	5
Carbon disulfide	ND		5.0	2.5	ug/L			04/30/25 13:01	5
Carbon tetrachloride	ND		5.0	0.95	ug/L			04/30/25 13:01	5
Chlorobenzene	ND		5.0	2.1	ug/L			04/30/25 13:01	5
Chloroethane	ND		5.0	3.8	ug/L			04/30/25 13:01	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/30/25 13:01	5
Chloroform	ND		5.0	4.5	ug/L			04/30/25 13:01	5
1-Chlorohexane	ND		5.0	1.6	ug/L			04/30/25 13:01	5
Chloromethane	ND		5.0	2.0	ug/L			04/30/25 13:01	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			04/30/25 13:01	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/30/25 13:01	5
Dibromochloromethane	ND		5.0	1.2	ug/L			04/30/25 13:01	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/30/25 13:01	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/30/25 13:01	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/30/25 13:01	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/30/25 13:01	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
1,2-Dichloroethane	ND		5.0	2.8	ug/L			04/30/25 13:01	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/30/25 13:01	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
1,1-Dichloropropene	ND		5.0	0.45	ug/L			04/30/25 13:01	5
Ethylbenzene	**180**		5.0	2.5	ug/L			04/30/25 13:01	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/30/25 13:01	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/30/25 13:01	5
2-Hexanone	ND		130	21	ug/L			04/30/25 13:01	5
Isopropylbenzene	**49**		5.0	2.7	ug/L			04/30/25 13:01	5
Methylene bromide	ND		25	1.1	ug/L			04/30/25 13:01	5
Methylene Chloride	ND		25	15	ug/L			04/30/25 13:01	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/30/25 13:01	5
Methyl tert-butyl ether	ND		5.0	1.1	ug/L			04/30/25 13:01	5
m-Xylene & p-Xylene	**340**		25	15	ug/L			04/30/25 13:01	5
Naphthalene	**32**		25	15	ug/L			04/30/25 13:01	5
n-Butylbenzene	**4.9**	**J**	5.0	3.8	ug/L			04/30/25 13:01	5
N-Propylbenzene	**82**		5.0	3.5	ug/L			04/30/25 13:01	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/30/25 13:01	5
o-Xylene	**23**	**J**	25	15	ug/L			04/30/25 13:01	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/30/25 13:01	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/30/25 13:01	5

Client Sample ID: P59-ROX-041625
Date Collected: 04/16/25 13:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-5
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		5.0	3.5	ug/L			04/30/25 13:01	5
Styrene	ND		5.0	5.0	ug/L			04/30/25 13:01	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			04/30/25 13:01	5
1,1,1,2-Tetrachloroethane	ND		5.0	1.9	ug/L			04/30/25 13:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/30/25 13:01	5
Tetrachloroethene	ND		5.0	1.7	ug/L			04/30/25 13:01	5
Toluene	**110**		5.0	4.5	ug/L			04/30/25 13:01	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/30/25 13:01	5
trans-1,3-Dichloropropene	ND		25	1.0	ug/L			04/30/25 13:01	5
1,2,3-Trichlorobenzene	ND		5.0	4.5	ug/L			04/30/25 13:01	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/30/25 13:01	5
1,1,1-Trichloroethane	ND		5.0	0.90	ug/L			04/30/25 13:01	5
1,1,2-Trichloroethane	ND		25	1.1	ug/L			04/30/25 13:01	5
Trichloroethene	ND		5.0	0.75	ug/L			04/30/25 13:01	5
Trichlorofluoromethane	ND		5.0	1.3	ug/L			04/30/25 13:01	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/30/25 13:01	5
1,2,4-Trimethylbenzene	**130**		5.0	4.1	ug/L			04/30/25 13:01	5
1,3,5-Trimethylbenzene	**67**		5.0	2.8	ug/L			04/30/25 13:01	5
Vinyl acetate	ND		130	4.7	ug/L			04/30/25 13:01	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/30/25 13:01	5
Xylenes, Total	**360**		50	30	ug/L			04/30/25 13:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/30/25 13:01*	*5*
Dibromofluoromethane	*109*		*79 - 130*		*04/30/25 13:01*	*5*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/30/25 13:01*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.51**		0.20	0.085	ug/L		04/22/25 12:16	05/06/25 10:50	1
Aniline	ND	UJ	10	0.74	ug/L		04/22/25 12:16	05/06/25 10:50	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzenethiol	ND		10	0.60	ug/L		04/22/25 12:16	05/06/25 10:50	1
Anthracene	ND		0.20	0.073	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzoic acid	**27**	**J** J	30	27	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzyl alcohol	ND	*1 *- UJ	10	1.9	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/22/25 12:16	05/06/25 10:50	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/22/25 12:16	05/06/25 10:50	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/22/25 12:16	05/06/25 10:50	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/22/25 12:16	05/06/25 10:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/22/25 12:16	05/06/25 10:50	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/22/25 12:16	05/06/25 10:50	1
Chrysene	ND		0.20	0.039	ug/L		04/22/25 12:16	05/06/25 10:50	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Chloroaniline	ND		10	0.28	ug/L		04/22/25 12:16	05/06/25 10:50	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: P59-ROX-041625
Date Collected: 04/16/25 13:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Chloro-3-methylphenol	ND	*- UJ	10	0.73	ug/L		04/22/25 12:16	05/06/25 10:50	1
Fluorene	**0.27**		0.20	0.087	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Chlorophenol	ND		10	0.22	ug/L		04/22/25 12:16	05/06/25 10:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/22/25 12:16	05/06/25 10:50	1
1-Methylnaphthalene	**13**		0.20	0.066	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Methylnaphthalene	**8.2**		0.20	0.077	ug/L		04/22/25 12:16	05/06/25 10:50	1
Dibenz[a,h]acridine	ND	UJ	10	0.69	ug/L		04/22/25 12:16	05/06/25 10:50	1
Dibenzofuran	ND		10	0.15	ug/L		04/22/25 12:16	05/06/25 10:50	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/22/25 12:16	05/06/25 10:50	1
Phenanthrene	**0.13**	**J**	0.20	0.044	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/22/25 12:16	05/06/25 10:50	1
Pyrene	ND		0.20	0.095	ug/L		04/22/25 12:16	05/06/25 10:50	1
Diethyl phthalate	ND		10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4-Dimethylphenol	ND	*1 *-	10	0.24	ug/L		04/22/25 12:16	05/06/25 10:50	1
Dimethyl phthalate	ND	UJ	10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/22/25 12:16	05/06/25 10:50	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/22/25 12:16	05/06/25 10:50	1
1,4-Dioxane	**0.14**	**J**	10	0.070	ug/L		04/22/25 12:16	05/06/25 10:50	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/22/25 12:16	05/06/25 10:50	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/22/25 12:16	05/06/25 10:50	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/22/25 12:16	05/06/25 10:50	1
Hexachloroethane	ND		10	0.53	ug/L		04/22/25 12:16	05/06/25 10:50	1
Indene	**1.0**	**J *-** J	10	0.44	ug/L		04/22/25 12:16	05/06/25 10:50	1
Isophorone	ND		10	0.80	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Methylphenol	ND	*- UJ	10	0.30	ug/L		04/22/25 12:16	05/06/25 10:50	1
3 & 4 Methylphenol	ND	*1	20	0.18	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Nitroaniline	ND		10	1.4	ug/L		04/22/25 12:16	05/06/25 10:50	1
3-Nitroaniline	ND		10	0.95	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Nitroaniline	ND		10	1.2	ug/L		04/22/25 12:16	05/06/25 10:50	1
Nitrobenzene	ND		10	0.60	ug/L		04/22/25 12:16	05/06/25 10:50	1
2-Nitrophenol	ND		10	1.2	ug/L		04/22/25 12:16	05/06/25 10:50	1
4-Nitrophenol	ND	UJ	10	2.7	ug/L		04/22/25 12:16	05/06/25 10:50	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/22/25 12:16	05/06/25 10:50	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/22/25 12:16	05/06/25 10:50	1
N-Nitrosodiphenylamine	ND	UJ	10	0.19	ug/L		04/22/25 12:16	05/06/25 10:50	1
Pentachlorophenol	ND		10	0.41	ug/L		04/22/25 12:16	05/06/25 10:50	1
Phenol	**3.1**	**J**	10	0.27	ug/L		04/22/25 12:16	05/06/25 10:50	1
Pyridine	ND	UJ	10	0.64	ug/L		04/22/25 12:16	05/06/25 10:50	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/22/25 12:16	05/06/25 10:50	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/22/25 12:16	05/06/25 10:50	1

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P59-ROX-041625
Lab Sample ID: 400-274450-5
Date Collected: 04/16/25 13:00
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
Terphenyl-d14	*78*		*43 - 147*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
2-Fluorophenol	*86*		*10 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
Phenol-d5	*113*		*10 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
Terphenyl-d14	*78*		*43 - 147*	*04/22/25 12:16*	*05/06/25 10:50*	*1*
2,4,6-Tribromophenol	*57*		*10 - 150*	*04/22/25 12:16*	*05/06/25 10:50*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.031	0.018	ug/L		04/24/25 13:14	04/24/25 17:38	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/24/25 13:14	04/24/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*51 - 149*	*04/24/25 13:14*	*04/24/25 17:38*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: T12-ROX-0414625
Date Collected: 04/16/25 14:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-6
Matrix: Water

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			04/30/25 13:27	10
Acrolein	ND		200	33	ug/L			04/30/25 13:27	10
Acrylonitrile	ND		100	28	ug/L			04/30/25 13:27	10
Benzene	**1800**		10	5.0	ug/L			04/30/25 13:27	10
Bromobenzene	ND		10	5.4	ug/L			04/30/25 13:27	10
Bromochloromethane	ND		10	5.2	ug/L			04/30/25 13:27	10
Bromodichloromethane	ND		10	5.0	ug/L			04/30/25 13:27	10
Bromoform	ND		50	2.5	ug/L			04/30/25 13:27	10
Bromomethane	ND		10	9.8	ug/L			04/30/25 13:27	10
2-Butanone (MEK)	ND		250	26	ug/L			04/30/25 13:27	10
Carbon disulfide	ND		10	5.0	ug/L			04/30/25 13:27	10
Carbon tetrachloride	ND		10	1.9	ug/L			04/30/25 13:27	10
Chlorobenzene	ND		10	4.2	ug/L			04/30/25 13:27	10
Chloroethane	ND		10	7.6	ug/L			04/30/25 13:27	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			04/30/25 13:27	10
Chloroform	ND		10	9.0	ug/L			04/30/25 13:27	10
1-Chlorohexane	ND		10	3.2	ug/L			04/30/25 13:27	10
Chloromethane	ND		10	4.0	ug/L			04/30/25 13:27	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			04/30/25 13:27	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			04/30/25 13:27	10
Dibromochloromethane	ND		10	2.4	ug/L			04/30/25 13:27	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			04/30/25 13:27	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			04/30/25 13:27	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			04/30/25 13:27	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			04/30/25 13:27	10
1,1-Dichloroethane	ND		10	5.0	ug/L			04/30/25 13:27	10
1,2-Dichloroethane	ND		10	5.5	ug/L			04/30/25 13:27	10
1,1-Dichloroethene	ND		10	5.0	ug/L			04/30/25 13:27	10
1,2-Dichloropropane	ND		10	5.0	ug/L			04/30/25 13:27	10
1,3-Dichloropropane	ND		10	5.0	ug/L			04/30/25 13:27	10
2,2-Dichloropropane	ND		10	5.0	ug/L			04/30/25 13:27	10
1,1-Dichloropropene	ND		10	0.90	ug/L			04/30/25 13:27	10
Ethylbenzene	**110**		10	5.0	ug/L			04/30/25 13:27	10
Ethyl methacrylate	ND		10	6.0	ug/L			04/30/25 13:27	10
Hexachlorobutadiene	ND		50	9.0	ug/L			04/30/25 13:27	10
2-Hexanone	ND		250	43	ug/L			04/30/25 13:27	10
Isopropylbenzene	**35**		10	5.3	ug/L			04/30/25 13:27	10
Methylene bromide	ND		50	2.2	ug/L			04/30/25 13:27	10
Methylene Chloride	ND		50	30	ug/L			04/30/25 13:27	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			04/30/25 13:27	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			04/30/25 13:27	10
m-Xylene & p-Xylene	**630**		50	30	ug/L			04/30/25 13:27	10
Naphthalene	**50**		50	30	ug/L			04/30/25 13:27	10
n-Butylbenzene	ND		10	7.6	ug/L			04/30/25 13:27	10
N-Propylbenzene	**59**		10	6.9	ug/L			04/30/25 13:27	10
o-Chlorotoluene	ND		10	5.7	ug/L			04/30/25 13:27	10
o-Xylene	**86**		50	30	ug/L			04/30/25 13:27	10
p-Chlorotoluene	ND		10	5.6	ug/L			04/30/25 13:27	10
p-Isopropyltoluene	ND		10	7.1	ug/L			04/30/25 13:27	10

Client Sample ID: T12-ROX-0414625
Date Collected: 04/16/25 14:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-6
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		10	7.0	ug/L			04/30/25 13:27	10
Styrene	ND		10	10	ug/L			04/30/25 13:27	10
tert-Butylbenzene	ND		10	6.3	ug/L			04/30/25 13:27	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			04/30/25 13:27	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			04/30/25 13:27	10
Tetrachloroethene	ND		10	3.3	ug/L			04/30/25 13:27	10
Toluene	**150**		10	9.0	ug/L			04/30/25 13:27	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			04/30/25 13:27	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			04/30/25 13:27	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			04/30/25 13:27	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			04/30/25 13:27	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			04/30/25 13:27	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			04/30/25 13:27	10
Trichloroethene	ND		10	1.5	ug/L			04/30/25 13:27	10
Trichlorofluoromethane	ND		10	2.5	ug/L			04/30/25 13:27	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			04/30/25 13:27	10
1,2,4-Trimethylbenzene	**29**		10	8.2	ug/L			04/30/25 13:27	10
1,3,5-Trimethylbenzene	**42**		10	5.6	ug/L			04/30/25 13:27	10
Vinyl acetate	ND		250	9.3	ug/L			04/30/25 13:27	10
Vinyl chloride	ND		10	5.0	ug/L			04/30/25 13:27	10
Xylenes, Total	**720**		100	60	ug/L			04/30/25 13:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/30/25 13:27*	*10*
Dibromofluoromethane	*108*		*79 - 130*		*04/30/25 13:27*	*10*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/30/25 13:27*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.31**	**J**	0.40	0.17	ug/L		04/22/25 12:16	05/06/25 11:21	1
Aniline	ND	UJ	20	1.5	ug/L		04/22/25 12:16	05/06/25 11:21	1
Acenaphthylene	ND		0.40	0.094	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzenethiol	ND		20	1.2	ug/L		04/22/25 12:16	05/06/25 11:21	1
Anthracene	ND		0.40	0.15	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzoic acid	ND		60	54	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzo[a]anthracene	ND		0.40	0.080	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzyl alcohol	ND	*1 *- UJ	20	3.7	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzo[a]pyrene	ND		0.40	0.090	ug/L		04/22/25 12:16	05/06/25 11:21	1
Bis(2-chloroethoxy)methane	ND		20	0.68	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzo[b]fluoranthene	ND		0.40	0.084	ug/L		04/22/25 12:16	05/06/25 11:21	1
Bis(2-chloroethyl)ether	ND		20	0.28	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzo[g,h,i]perylene	ND		0.40	0.10	ug/L		04/22/25 12:16	05/06/25 11:21	1
bis (2-chloroisopropyl) ether	ND		20	0.40	ug/L		04/22/25 12:16	05/06/25 11:21	1
Benzo[k]fluoranthene	ND		0.40	0.080	ug/L		04/22/25 12:16	05/06/25 11:21	1
Bis(2-ethylhexyl) phthalate	ND		20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Bromophenyl phenyl ether	ND		20	0.26	ug/L		04/22/25 12:16	05/06/25 11:21	1
Chrysene	ND		0.40	0.078	ug/L		04/22/25 12:16	05/06/25 11:21	1
Butyl benzyl phthalate	ND		20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
Dibenz(a,h)anthracene	ND		0.40	0.088	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Chloroaniline	ND		20	0.56	ug/L		04/22/25 12:16	05/06/25 11:21	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Client Sample ID: T12-ROX-0414625
Date Collected: 04/16/25 14:00
Date Received: 04/17/25 09:30

Lab Sample ID: 400-274450-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.40	0.064	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Chloro-3-methylphenol	ND	*- UJ	20	1.5	ug/L		04/22/25 12:16	05/06/25 11:21	1
Fluorene	**0.25**	**J**	0.40	0.17	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Chloronaphthalene	ND		20	0.76	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Chlorophenol	ND		20	0.44	ug/L		04/22/25 12:16	05/06/25 11:21	1
Indeno[1,2,3-cd]pyrene	ND		0.40	0.064	ug/L		04/22/25 12:16	05/06/25 11:21	1
1-Methylnaphthalene	**15**		0.40	0.13	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Chlorophenyl phenyl ether	ND		20	0.48	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Methylnaphthalene	**24**		0.40	0.15	ug/L		04/22/25 12:16	05/06/25 11:21	1
Dibenz[a,h]acridine	ND	UJ	20	1.4	ug/L		04/22/25 12:16	05/06/25 11:21	1
Dibenzofuran	ND		20	0.30	ug/L		04/22/25 12:16	05/06/25 11:21	1
3,3'-Dichlorobenzidine	ND		22	0.82	ug/L		04/22/25 12:16	05/06/25 11:21	1
Phenanthrene	**0.40**		0.40	0.088	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4-Dichlorophenol	ND		20	1.1	ug/L		04/22/25 12:16	05/06/25 11:21	1
Pyrene	ND		0.40	0.19	ug/L		04/22/25 12:16	05/06/25 11:21	1
Diethyl phthalate	ND		20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4-Dimethylphenol	**11**	**J *1 *-**	20	0.48	ug/L		04/22/25 12:16	05/06/25 11:21	1
Dimethyl phthalate	ND	UJ	20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
Di-n-butyl phthalate	ND		20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
4,6-Dinitro-ortho-cresol	ND		20	3.9	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4-Dinitrophenol	ND		60	9.4	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4-Dinitrotoluene	ND		20	1.3	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,6-Dinitrotoluene	ND		20	0.58	ug/L		04/22/25 12:16	05/06/25 11:21	1
Di-n-octyl phthalate	ND		20	8.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
1,4-Dioxane	ND		20	0.14	ug/L		04/22/25 12:16	05/06/25 11:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		20	0.64	ug/L		04/22/25 12:16	05/06/25 11:21	1
Hexachlorobenzene	ND		20	0.50	ug/L		04/22/25 12:16	05/06/25 11:21	1
Hexachlorocyclopentadiene	ND		40	0.64	ug/L		04/22/25 12:16	05/06/25 11:21	1
Hexachloroethane	ND		20	1.1	ug/L		04/22/25 12:16	05/06/25 11:21	1
Indene	**1.1**	**J *- J**	20	0.88	ug/L		04/22/25 12:16	05/06/25 11:21	1
Isophorone	ND		20	1.6	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Methylphenol	ND	*- UJ	20	0.60	ug/L		04/22/25 12:16	05/06/25 11:21	1
3 & 4 Methylphenol	ND	*1	40	0.36	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Nitroaniline	ND		20	2.7	ug/L		04/22/25 12:16	05/06/25 11:21	1
3-Nitroaniline	ND		20	1.9	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Nitroaniline	ND		20	2.5	ug/L		04/22/25 12:16	05/06/25 11:21	1
Nitrobenzene	ND		20	1.2	ug/L		04/22/25 12:16	05/06/25 11:21	1
2-Nitrophenol	ND		20	2.3	ug/L		04/22/25 12:16	05/06/25 11:21	1
4-Nitrophenol	ND	UJ	20	5.5	ug/L		04/22/25 12:16	05/06/25 11:21	1
N-Nitrosodimethylamine	ND		20	0.46	ug/L		04/22/25 12:16	05/06/25 11:21	1
N-Nitrosodi-n-propylamine	ND		20	0.66	ug/L		04/22/25 12:16	05/06/25 11:21	1
N-Nitrosodiphenylamine	ND	UJ	20	0.38	ug/L		04/22/25 12:16	05/06/25 11:21	1
Pentachlorophenol	ND		20	0.82	ug/L		04/22/25 12:16	05/06/25 11:21	1
Phenol	**80**		20	0.54	ug/L		04/22/25 12:16	05/06/25 11:21	1
Pyridine	ND	UJ	20	1.3	ug/L		04/22/25 12:16	05/06/25 11:21	1
Quinoline	ND	*- UJ	20	1.0	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4,5-Trichlorophenol	ND		20	1.1	ug/L		04/22/25 12:16	05/06/25 11:21	1
2,4,6-Trichlorophenol	ND		20	2.2	ug/L		04/22/25 12:16	05/06/25 11:21	1

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: T12-ROX-0414625
Lab Sample ID: 400-274450-6
Date Collected: 04/16/25 14:00
Matrix: Water
Date Received: 04/17/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		15 - 150	04/22/25 12:16	05/06/25 11:21	1
Nitrobenzene-d5	89		50 - 150	04/22/25 12:16	05/06/25 11:21	1
Terphenyl-d14	75		43 - 147	04/22/25 12:16	05/06/25 11:21	1
2-Fluorobiphenyl	80		15 - 150	04/22/25 12:16	05/06/25 11:21	1
2-Fluorophenol	88		10 - 150	04/22/25 12:16	05/06/25 11:21	1
Nitrobenzene-d5	89		50 - 150	04/22/25 12:16	05/06/25 11:21	1
Phenol-d5	133		10 - 150	04/22/25 12:16	05/06/25 11:21	1
Terphenyl-d14	75		43 - 147	04/22/25 12:16	05/06/25 11:21	1
2,4,6-Tribromophenol	41		10 - 150	04/22/25 12:16	05/06/25 11:21	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.033	0.018	ug/L		04/24/25 13:14	04/24/25 17:59	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/24/25 13:14	04/24/25 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		51 - 149	04/24/25 13:14	04/24/25 17:59	1

Definitions/Glossary

Client: AECOM
Job ID: 400-274450-1
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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274450-1

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)
400-274450-1	TB-ROX-041625-8260-SS	89	112	93
400-274450-1	TB-ROX-041625-8260-SS	97	108	109
400-274450-3	P93D-ROX-041625	91	112	92
400-274450-3	P93D-ROX-041625	100	106	102
400-274450-3 MS	P93D-ROX-041625	89	109	91
400-274450-3 MSD	P93D-ROX-041625	89	107	93
400-274450-4	P56-ROX-041625	91	109	95
400-274450-5	P59-ROX-041625	90	109	93
400-274450-6	T12-ROX-0414625	92	108	93
LCS 400-707579/1002	Lab Control Sample	88	108	93
LCS 400-707610/1002	Lab Control Sample	96	111	99
MB 400-707579/4	Method Blank	92	111	92
MB 400-707610/4	Method Blank	100	109	106

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	2FP	NBZ	NBZ	PHL	TPHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(10-150)	(50-150)	(50-150)	(10-150)	(43-147)	(43-147)
400-274450-3	P93D-ROX-041625	41	41	0 S1-	46 S1-	46 S1-	2 S1-	38 S1-	38 S1-
400-274450-3	P93D-ROX-041625	56	56	73	63	63	75	39 S1-	39 S1-
400-274450-4	P56-ROX-041625	42	42	0 S1-	47 S1-	47 S1-	3 S1-	38 S1-	38 S1-
400-274450-4	P56-ROX-041625	53	53	80 I	64 I	64 I	93	40 S1-	40 S1-
400-274450-5	P59-ROX-041625	78	78	86	95	95	113	78	78
400-274450-6	T12-ROX-0414625	80	80	88	89	89	133	75	75
LCS 400-706504/2-A	Lab Control Sample	70	70		87	87		72	72
LCS 400-706504/2-A	Lab Control Sample	70	70	109	85	85	119	70	70
LCS 400-706504/4-A	Lab Control Sample	82	82	109	92	92	76	83	83
LCS 400-708675/2-A	Lab Control Sample	55	55	70	65	65	78	65	65
LCS 400-708675/3-A	Lab Control Sample	52	52	82	63	63	91	66	66
LCSD 400-706504/3-A	Lab Control Sample Dup	72	72		85	85		72	72
LCSD 400-706504/3-A	Lab Control Sample Dup	70	70	113	89	89	122	69	69
LCSD 400-706504/5-A	Lab Control Sample Dup	80	80	112	96	96	83	83	83
MB 400-706504/1-A	Method Blank	86	86	116	101	101	63	87	87
MB 400-708675/1-A	Method Blank	55	55	80	68	68	84	67	67

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274450-3	P93D-ROX-041625	0 S1-
400-274450-3	P93D-ROX-041625	66
400-274450-4	P56-ROX-041625	0 S1-
400-274450-4	P56-ROX-041625	65 I
400-274450-5	P59-ROX-041625	57
400-274450-6	T12-ROX-0414625	41

Surrogate Summary

Client: AECOM
Job ID: 400-274450-1
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)						
LCS 400-706504/2-A	Lab Control Sample							
LCS 400-706504/2-A	Lab Control Sample	111						
LCS 400-706504/4-A	Lab Control Sample	98						
LCS 400-708675/2-A	Lab Control Sample	74						
LCS 400-708675/3-A	Lab Control Sample	67						
LCSD 400-706504/3-A	Lab Control Sample Dup							
LCSD 400-706504/3-A	Lab Control Sample Dup	102						
LCSD 400-706504/5-A	Lab Control Sample Dup	100						
MB 400-706504/1-A	Method Blank	91						
MB 400-708675/1-A	Method Blank	71						

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		BFB1						
Lab Sample ID	Client Sample ID	(51-149)						
400-274450-2	TB-ROX-041625-8011-SS	54						
400-274450-3	P93D-ROX-041625	72						
400-274450-4	P56-ROX-041625	66						
400-274450-5	P59-ROX-041625	104						
400-274450-6	T12-ROX-0414625	84						
LCS 400-706977/2-A	Lab Control Sample	66						
LCSD 400-706977/3-A	Lab Control Sample Dup	69						
MB 400-706977/1-A	Method Blank	95						

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041625-8260-SS
Lab Sample ID: 400-274450-1
Date Collected: 04/16/25 00:00
Matrix: Water
Date Received: 04/17/25 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	707610	04/30/25 15:20	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	707579	04/30/25 11:41	CAR	EET PEN

Client Sample ID: TB-ROX-041625-8011-SS
Lab Sample ID: 400-274450-2
Date Collected: 04/16/25 00:00
Matrix: Water
Date Received: 04/17/25 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	8011			29.8 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 16:34	KR	EET PEN

Client Sample ID: P93D-ROX-041625
Lab Sample ID: 400-274450-3
Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 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	707610	04/30/25 16:09	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	707579	04/30/25 12:08	CAR	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708745	05/10/25 21:13	JAW	EET PEN
Total/NA	Prep	3511			31.1 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 21:13	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 09:49	JAW	EET PEN
Total/NA	Prep	3511			30.1 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 09:49	JAW	EET PEN
Total/NA	Prep	8011			32.9 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 16:55	KR	EET PEN

Client Sample ID: P56-ROX-041625
Lab Sample ID: 400-274450-4
Date Collected: 04/16/25 11:45
Matrix: Water
Date Received: 04/17/25 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		5	5 mL	5 mL	707579	04/30/25 12:34	CAR	EET PEN
Total/NA	Prep	3511			27.6 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708745	05/10/25 21:43	JAW	EET PEN
Total/NA	Prep	3511			27.6 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708746	05/10/25 21:43	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 10:20	JAW	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 10:20	JAW	EET PEN
Total/NA	Prep	8011			34.3 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 17:16	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P59-ROX-041625
Lab Sample ID: 400-274450-5
Date Collected: 04/16/25 13:00
Matrix: Water
Date Received: 04/17/25 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		5	5 mL	5 mL	707579	04/30/25 13:01	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 10:50	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 10:50	JAW	EET PEN
Total/NA	Prep	8011			33.5 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 17:38	KR	EET PEN

Client Sample ID: T12-ROX-0414625
Lab Sample ID: 400-274450-6
Date Collected: 04/16/25 14:00
Matrix: Water
Date Received: 04/17/25 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		10	5 mL	5 mL	707579	04/30/25 13:27	CAR	EET PEN
Total/NA	Prep	3511			30 mL	4 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708152	05/06/25 11:21	JAW	EET PEN
Total/NA	Prep	3511			30 mL	4 mL	706504	04/22/25 12:16	BKL	EET PEN
Total/NA	Analysis	8270E		1	0.4 mL	0.4 mL	708153	05/06/25 11:21	JAW	EET PEN
Total/NA	Prep	8011			32.3 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 17:59	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706504/1-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 09:02	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708165	05/06/25 09:02	JAW	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706977/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:30	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707579/4
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	707579	04/30/25 15:13	CAR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707610/4
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	707610	04/30/25 14:15	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-708675/1-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708745	05/10/25 17:07	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 17:07	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706504/2-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 09:33	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708315	05/07/25 18:53	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706504/4-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 10:35	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706977/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:51	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707579/1002
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	707579	04/30/25 09:29	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707610/1002
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	707610	04/30/25 13:07	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708675/2-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708745	05/10/25 17:38	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 17:38	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-708675/3-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	708675	05/09/25 07:00	DP	EET PEN
Total/NA	Analysis	8270E		1			708746	05/10/25 18:09	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706504/3-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 10:04	JAW	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708315	05/07/25 19:24	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706504/5-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	706504	04/21/25 12:40	BKL	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 11:06	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706977/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 16:12	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93D-ROX-041625
Lab Sample ID: 400-274450-3 MS
Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 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	707579	04/30/25 13:54	CAR	EET PEN

Client Sample ID: P93D-ROX-041625
Lab Sample ID: 400-274450-3 MSD
Date Collected: 04/16/25 10:00
Matrix: Water
Date Received: 04/17/25 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	707579	04/30/25 14:20	CAR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-274450-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 707579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-1	TB-ROX-041625-8260-SS	Total/NA	Water	8260D	
400-274450-3	P93D-ROX-041625	Total/NA	Water	8260D	
400-274450-4	P56-ROX-041625	Total/NA	Water	8260D	
400-274450-5	P59-ROX-041625	Total/NA	Water	8260D	
400-274450-6	T12-ROX-0414625	Total/NA	Water	8260D	
MB 400-707579/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707579/1002	Lab Control Sample	Total/NA	Water	8260D	
400-274450-3 MS	P93D-ROX-041625	Total/NA	Water	8260D	
400-274450-3 MSD	P93D-ROX-041625	Total/NA	Water	8260D	

Analysis Batch: 707610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-1	TB-ROX-041625-8260-SS	Total/NA	Water	8260D	
400-274450-3	P93D-ROX-041625	Total/NA	Water	8260D	
MB 400-707610/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707610/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	3511	
400-274450-4	P56-ROX-041625	Total/NA	Water	3511	
400-274450-5	P59-ROX-041625	Total/NA	Water	3511	
400-274450-6	T12-ROX-0414625	Total/NA	Water	3511	
MB 400-706504/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706504/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706504/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 708152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	8270E	706504
400-274450-4	P56-ROX-041625	Total/NA	Water	8270E	706504
400-274450-5	P59-ROX-041625	Total/NA	Water	8270E	706504
400-274450-6	T12-ROX-0414625	Total/NA	Water	8270E	706504

Analysis Batch: 708153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	8270E	706504
400-274450-4	P56-ROX-041625	Total/NA	Water	8270E	706504
400-274450-5	P59-ROX-041625	Total/NA	Water	8270E	706504
400-274450-6	T12-ROX-0414625	Total/NA	Water	8270E	706504

Analysis Batch: 708164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706504/1-A	Method Blank	Total/NA	Water	8270E	706504
LCS 400-706504/4-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274450-1

GC/MS Semi VOA

Analysis Batch: 708165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706504/1-A	Method Blank	Total/NA	Water	8270E	706504
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

Analysis Batch: 708315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-706504/2-A	Lab Control Sample	Total/NA	Water	8270E	706504
LCSD 400-706504/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706504

Prep Batch: 708675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	3511	
400-274450-4	P56-ROX-041625	Total/NA	Water	3511	
MB 400-708675/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-708675/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-708675/3-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 708745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	8270E	708675
400-274450-4	P56-ROX-041625	Total/NA	Water	8270E	708675
MB 400-708675/1-A	Method Blank	Total/NA	Water	8270E	708675
LCS 400-708675/2-A	Lab Control Sample	Total/NA	Water	8270E	708675

Analysis Batch: 708746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-3	P93D-ROX-041625	Total/NA	Water	8270E	708675
400-274450-4	P56-ROX-041625	Total/NA	Water	8270E	708675
MB 400-708675/1-A	Method Blank	Total/NA	Water	8270E	708675
LCS 400-708675/2-A	Lab Control Sample	Total/NA	Water	8270E	708675
LCS 400-708675/3-A	Lab Control Sample	Total/NA	Water	8270E	708675

GC Semi VOA

Analysis Batch: 706915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-2	TB-ROX-041625-8011-SS	Total/NA	Water	8011	706977
400-274450-3	P93D-ROX-041625	Total/NA	Water	8011	706977
400-274450-4	P56-ROX-041625	Total/NA	Water	8011	706977
400-274450-5	P59-ROX-041625	Total/NA	Water	8011	706977
400-274450-6	T12-ROX-0414625	Total/NA	Water	8011	706977
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	706977
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	706977
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706977

Prep Batch: 706977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-2	TB-ROX-041625-8011-SS	Total/NA	Water	8011	
400-274450-3	P93D-ROX-041625	Total/NA	Water	8011	
400-274450-4	P56-ROX-041625	Total/NA	Water	8011	
400-274450-5	P59-ROX-041625	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 706977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274450-6	T12-ROX-0414625	Total/NA	Water	8011	
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/30/25 15:13	1
Acrolein	ND		20	3.3	ug/L			04/30/25 15:13	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 15:13	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 15:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 15:13	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 15:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 15:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 15:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 15:13	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 15:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 15:13	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 15:13	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 15:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 15:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 15:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 15:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 15:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 15:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 15:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 15:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 15:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 15:13	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 15:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 15:13	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 15:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 15:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 15:13	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 15:13	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 15:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 15:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 15:13	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 15:13	1

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 15:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/30/25 15:13	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 15:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 15:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 15:13	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 15:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 15:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 15:13	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 15:13	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 15:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 15:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 15:13	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 15:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/30/25 15:13*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/30/25 15:13*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 15:13*	*1*

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	222		ug/L		111	43 - 150
Acrolein	500	552		ug/L		110	38 - 150
Acrylonitrile	500	574		ug/L		115	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	54.0		ug/L		108	70 - 132
Bromochloromethane	50.0	58.3		ug/L		117	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	45.9		ug/L		92	57 - 140
Bromomethane	50.0	47.2		ug/L		94	10 - 150
2-Butanone (MEK)	200	184		ug/L		92	61 - 145
Carbon disulfide	50.0	55.5		ug/L		111	61 - 137
Carbon tetrachloride	50.0	57.4		ug/L		115	61 - 137
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130
Chloroethane	50.0	56.3		ug/L		113	55 - 141
2-Chloroethyl vinyl ether	50.0	53.6		ug/L		107	10 - 150

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	55.8		ug/L		112	69 - 130
1-Chlorohexane	50.0	56.2		ug/L		112	69 - 130
Chloromethane	50.0	53.9		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	58.6		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	69 - 132
Dibromochloromethane	50.0	51.3		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	67 - 130
1,3-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	40.9		ug/L		82	41 - 146
1,1-Dichloroethane	50.0	58.6		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.2		ug/L		118	69 - 130
1,1-Dichloroethene	50.0	54.9		ug/L		110	63 - 134
1,2-Dichloropropane	50.0	58.7		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	49.5		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.3		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130
Ethyl methacrylate	50.0	45.0		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	60.6		ug/L		121	53 - 140
2-Hexanone	200	208		ug/L		104	65 - 137
Isopropylbenzene	50.0	53.9		ug/L		108	70 - 130
Methylene bromide	50.0	53.2		ug/L		106	70 - 130
Methylene Chloride	50.0	55.6		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	225		ug/L		113	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	51.3		ug/L		103	70 - 130
Naphthalene	50.0	44.8		ug/L		90	47 - 149
n-Butylbenzene	50.0	46.0		ug/L		92	67 - 130
N-Propylbenzene	50.0	51.7		ug/L		103	70 - 130
o-Chlorotoluene	50.0	43.5		ug/L		87	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
p-Chlorotoluene	50.0	48.2		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	51.0		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.1		ug/L		102	66 - 130
Styrene	50.0	52.9		ug/L		106	70 - 130
tert-Butylbenzene	50.0	47.0		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.7		ug/L		83	70 - 131
Tetrachloroethene	50.0	54.8		ug/L		110	65 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	54.4		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	57.0		ug/L		114	60 - 140
1,1,1-Trichloroethane	50.0	54.6		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130
Trichloroethene	50.0	58.8		ug/L		118	70 - 130
Trichlorofluoromethane	50.0	57.7		ug/L		115	65 - 138

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	43.1		ug/L		86	70 - 130		
1,2,4-Trimethylbenzene			50.0	50.2		ug/L		100	70 - 130		
1,3,5-Trimethylbenzene			50.0	49.1		ug/L		98	69 - 130		
Vinyl acetate			100	97.3		ug/L		97	26 - 150		
Vinyl chloride			50.0	51.1		ug/L		102	59 - 136		
Xylenes, Total			100	102		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: 400-274450-3 MS
Matrix: Water
Analysis Batch: 707579

Client Sample ID: P93D-ROX-041625
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	ND		200	108		ug/L		54	43 - 150		
Acrolein	ND		500	532		ug/L		106	38 - 150		
Acrylonitrile	ND		500	638		ug/L		128	62 - 149		
Benzene	ND		50.0	57.6		ug/L		115	56 - 142		
Bromobenzene	ND		50.0	57.6		ug/L		115	59 - 136		
Bromochloromethane	ND		50.0	61.9		ug/L		124	64 - 140		
Bromodichloromethane	ND		50.0	58.7		ug/L		117	59 - 143		
Bromoform	ND		50.0	49.3		ug/L		99	50 - 140		
Bromomethane	ND		50.0	41.8		ug/L		84	10 - 150		
2-Butanone (MEK)	ND		200	146		ug/L		73	55 - 150		
Carbon disulfide	ND		50.0	57.5		ug/L		115	48 - 150		
Carbon tetrachloride	ND		50.0	58.7		ug/L		117	55 - 145		
Chlorobenzene	ND		50.0	54.8		ug/L		110	64 - 130		
Chloroethane	ND		50.0	50.4		ug/L		101	50 - 150		
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150		
Chloroform	ND		50.0	58.5		ug/L		117	60 - 141		
1-Chlorohexane	ND		50.0	57.3		ug/L		115	56 - 136		
Chloromethane	ND		50.0	45.0		ug/L		90	49 - 148		
cis-1,2-Dichloroethene	ND		50.0	63.2		ug/L		126	59 - 143		
cis-1,3-Dichloropropene	ND		50.0	57.9		ug/L		116	57 - 140		
Dibromochloromethane	ND		50.0	54.6		ug/L		109	56 - 143		
1,2-Dichlorobenzene	ND		50.0	56.3		ug/L		113	52 - 137		
1,3-Dichlorobenzene	ND		50.0	56.0		ug/L		112	54 - 135		
1,4-Dichlorobenzene	ND		50.0	56.2		ug/L		112	53 - 135		
Dichlorodifluoromethane	ND		50.0	36.9		ug/L		74	16 - 150		
1,1-Dichloroethane	ND		50.0	60.7		ug/L		121	61 - 144		
1,2-Dichloroethane	ND		50.0	64.0		ug/L		128	60 - 141		
1,1-Dichloroethene	ND		50.0	56.3		ug/L		113	54 - 147		
1,2-Dichloropropane	ND		50.0	62.3		ug/L		125	66 - 137		
1,3-Dichloropropane	ND		50.0	53.6		ug/L		107	66 - 133		
2,2-Dichloropropane	ND		50.0	51.9		ug/L		104	42 - 144		

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

Lab Sample ID: 400-274450-3 MS
Matrix: Water
Analysis Batch: 707579

Client Sample ID: P93D-ROX-041625
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	58.2		ug/L		116	65 - 136
Ethylbenzene	ND		50.0	54.0		ug/L		108	58 - 131
Ethyl methacrylate	ND		50.0	50.2		ug/L		100	64 - 130
Hexachlorobutadiene	ND		50.0	64.6		ug/L		129	31 - 149
2-Hexanone	ND		200	165		ug/L		83	65 - 140
Isopropylbenzene	ND		50.0	56.5		ug/L		113	56 - 133
Methylene bromide	ND		50.0	58.3		ug/L		117	63 - 138
Methylene Chloride	3.7	J	50.0	63.4		ug/L		119	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	246		ug/L		123	63 - 146
Methyl tert-butyl ether	0.90	J	50.0	56.6		ug/L		111	59 - 137
m-Xylene & p-Xylene	ND		50.0	53.8		ug/L		108	57 - 130
Naphthalene	ND		50.0	50.8		ug/L		102	25 - 150
n-Butylbenzene	ND		50.0	47.9		ug/L		96	41 - 142
N-Propylbenzene	ND		50.0	54.1		ug/L		108	51 - 138
o-Chlorotoluene	ND		50.0	46.0		ug/L		92	53 - 134
o-Xylene	ND		50.0	54.1		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	51.0		ug/L		102	54 - 133
p-Isopropyltoluene	ND		50.0	53.5		ug/L		107	48 - 139
sec-Butylbenzene	ND		50.0	54.0		ug/L		108	50 - 138
Styrene	ND		50.0	55.8		ug/L		112	58 - 131
tert-Butylbenzene	ND		50.0	49.5		ug/L		99	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.5		ug/L		111	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	46.5		ug/L		93	66 - 135
Tetrachloroethene	ND		50.0	55.9		ug/L		112	52 - 133
Toluene	ND		50.0	50.9		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	56.3		ug/L		113	61 - 143
trans-1,3-Dichloropropene	ND		50.0	51.7		ug/L		103	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	58.9		ug/L		118	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	60.5		ug/L		121	39 - 148
1,1,1-Trichloroethane	ND		50.0	56.9		ug/L		114	57 - 142
1,1,2-Trichloroethane	ND		50.0	52.7		ug/L		105	66 - 131
Trichloroethene	ND		50.0	61.5		ug/L		123	64 - 136
Trichlorofluoromethane	ND		50.0	52.6		ug/L		105	54 - 150
1,2,3-Trichloropropane	ND		50.0	48.6		ug/L		97	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	53.5		ug/L		107	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	52.1		ug/L		104	52 - 135
Vinyl acetate	ND		100	95.8		ug/L		96	26 - 150
Vinyl chloride	ND		50.0	46.3		ug/L		93	46 - 150
Xylenes, Total	ND		100	108		ug/L		108	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*109*		*79 - 130*
Toluene-d8 (Surr)	*91*		*64 - 132*

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

Lab Sample ID: 400-274450-3 MSD
Matrix: Water
Analysis Batch: 707579

Client Sample ID: P93D-ROX-041625
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	91.8		ug/L		46	43 - 150	16	30
Acrolein	ND		500	544		ug/L		109	38 - 150	2	31
Acrylonitrile	ND		500	543		ug/L		109	62 - 149	16	30
Benzene	ND		50.0	51.2		ug/L		102	56 - 142	12	30
Bromobenzene	ND		50.0	51.4		ug/L		103	59 - 136	12	30
Bromochloromethane	ND		50.0	55.1		ug/L		110	64 - 140	12	30
Bromodichloromethane	ND		50.0	51.4		ug/L		103	59 - 143	13	30
Bromoform	ND		50.0	44.3		ug/L		89	50 - 140	11	30
Bromomethane	ND		50.0	42.3		ug/L		85	10 - 150	1	50
2-Butanone (MEK)	ND		200	125		ug/L		62	55 - 150	16	30
Carbon disulfide	ND		50.0	51.5		ug/L		103	48 - 150	11	30
Carbon tetrachloride	ND		50.0	52.4		ug/L		105	55 - 145	11	30
Chlorobenzene	ND		50.0	48.9		ug/L		98	64 - 130	11	30
Chloroethane	ND		50.0	53.4		ug/L		107	50 - 150	6	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	52.0		ug/L		104	60 - 141	12	30
1-Chlorohexane	ND		50.0	51.5		ug/L		103	56 - 136	11	30
Chloromethane	ND		50.0	49.5		ug/L		99	49 - 148	10	31
cis-1,2-Dichloroethene	ND		50.0	56.1		ug/L		112	59 - 143	12	30
cis-1,3-Dichloropropene	ND		50.0	50.9		ug/L		102	57 - 140	13	30
Dibromochloromethane	ND		50.0	48.0		ug/L		96	56 - 143	13	30
1,2-Dichlorobenzene	ND		50.0	50.2		ug/L		100	52 - 137	11	30
1,3-Dichlorobenzene	ND		50.0	50.3		ug/L		101	54 - 135	11	30
1,4-Dichlorobenzene	ND		50.0	50.3		ug/L		101	53 - 135	11	30
Dichlorodifluoromethane	ND		50.0	39.3		ug/L		79	16 - 150	6	31
1,1-Dichloroethane	ND		50.0	53.8		ug/L		108	61 - 144	12	30
1,2-Dichloroethane	ND		50.0	55.2		ug/L		110	60 - 141	15	30
1,1-Dichloroethene	ND		50.0	51.1		ug/L		102	54 - 147	10	30
1,2-Dichloropropane	ND		50.0	55.4		ug/L		111	66 - 137	12	30
1,3-Dichloropropane	ND		50.0	47.5		ug/L		95	66 - 133	12	30
2,2-Dichloropropane	ND		50.0	46.9		ug/L		94	42 - 144	10	31
1,1-Dichloropropene	ND		50.0	52.1		ug/L		104	65 - 136	11	30
Ethylbenzene	ND		50.0	48.7		ug/L		97	58 - 131	10	30
Ethyl methacrylate	ND		50.0	44.5		ug/L		89	64 - 130	12	30
Hexachlorobutadiene	ND		50.0	58.6		ug/L		117	31 - 149	10	36
2-Hexanone	ND		200	141		ug/L		71	65 - 140	16	30
Isopropylbenzene	ND		50.0	50.7		ug/L		101	56 - 133	11	30
Methylene bromide	ND		50.0	51.3		ug/L		103	63 - 138	13	30
Methylene Chloride	3.7	J	50.0	55.8		ug/L		104	60 - 146	13	32
4-Methyl-2-pentanone (MIBK)	ND		200	208		ug/L		104	63 - 146	17	30
Methyl tert-butyl ether	0.90	J	50.0	49.5		ug/L		97	59 - 137	13	30
m-Xylene & p-Xylene	ND		50.0	48.0		ug/L		96	57 - 130	11	30
Naphthalene	ND		50.0	45.2		ug/L		90	25 - 150	12	30
n-Butylbenzene	ND		50.0	43.4		ug/L		87	41 - 142	10	31
N-Propylbenzene	ND		50.0	48.5		ug/L		97	51 - 138	11	30
o-Chlorotoluene	ND		50.0	42.5		ug/L		85	53 - 134	8	30
o-Xylene	ND		50.0	48.4		ug/L		97	61 - 130	11	30
p-Chlorotoluene	ND		50.0	45.5		ug/L		91	54 - 133	11	30

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

Lab Sample ID: 400-274450-3 MSD
Matrix: Water
Analysis Batch: 707579

Client Sample ID: P93D-ROX-041625
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	48.5		ug/L		97	48 - 139	10	30
sec-Butylbenzene	ND		50.0	49.2		ug/L		98	50 - 138	9	30
Styrene	ND		50.0	49.6		ug/L		99	58 - 131	12	30
tert-Butylbenzene	ND		50.0	45.0		ug/L		90	54 - 146	9	30
1,1,1,2-Tetrachloroethane	ND		50.0	49.7		ug/L		99	59 - 137	11	30
1,1,2,2-Tetrachloroethane	ND		50.0	41.1		ug/L		82	66 - 135	12	30
Tetrachloroethene	ND		50.0	50.2		ug/L		100	52 - 133	11	30
Toluene	ND		50.0	46.2		ug/L		92	65 - 130	10	30
trans-1,2-Dichloroethene	ND		50.0	49.8		ug/L		100	61 - 143	12	30
trans-1,3-Dichloropropene	ND		50.0	46.3		ug/L		93	53 - 133	11	30
1,2,3-Trichlorobenzene	ND		50.0	53.7		ug/L		107	43 - 145	9	30
1,2,4-Trichlorobenzene	ND		50.0	53.8		ug/L		108	39 - 148	12	30
1,1,1-Trichloroethane	ND		50.0	50.4		ug/L		101	57 - 142	12	30
1,1,2-Trichloroethane	ND		50.0	46.1		ug/L		92	66 - 131	13	30
Trichloroethene	ND		50.0	54.3		ug/L		109	64 - 136	12	30
Trichlorofluoromethane	ND		50.0	53.6		ug/L		107	54 - 150	2	30
1,2,3-Trichloropropane	ND		50.0	43.0		ug/L		86	65 - 133	12	30
1,2,4-Trimethylbenzene	ND		50.0	47.8		ug/L		96	50 - 139	11	30
1,3,5-Trimethylbenzene	ND		50.0	46.9		ug/L		94	52 - 135	10	30
Vinyl acetate	ND		100	95.8		ug/L		96	26 - 150	0	33
Vinyl chloride	ND		50.0	49.1		ug/L		98	46 - 150	6	30
Xylenes, Total	ND		100	96.4		ug/L		96	59 - 130	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*107*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: MB 400-707610/4
Matrix: Water
Analysis Batch: 707610

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 14:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*56 - 136*		*04/30/25 14:15*	*1*
Dibromofluoromethane	*109*		*79 - 130*		*04/30/25 14:15*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*04/30/25 14:15*	*1*

Lab Sample ID: LCS 400-707610/1002
Matrix: Water
Analysis Batch: 707610

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			50.0	50.8		ug/L		102	66 - 135		

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

Lab Sample ID: LCS 400-707610/1002
Matrix: Water
Analysis Batch: 707610

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		56 - 136
Dibromofluoromethane	111		79 - 130
Toluene-d8 (Surr)	99		64 - 132

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

Lab Sample ID: MB 400-706504/1-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/21/25 12:40	05/06/25 09:02	1
Aniline	ND		10	0.74	ug/L		04/21/25 12:40	05/06/25 09:02	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzenethiol	ND		10	0.60	ug/L		04/21/25 12:40	05/06/25 09:02	1
Anthracene	ND		0.20	0.073	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzoic acid	ND		30	27	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzyl alcohol	ND		10	1.9	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/21/25 12:40	05/06/25 09:02	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/21/25 12:40	05/06/25 09:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/21/25 12:40	05/06/25 09:02	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/21/25 12:40	05/06/25 09:02	1
Chrysene	ND		0.20	0.039	ug/L		04/21/25 12:40	05/06/25 09:02	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chloroaniline	ND		10	0.28	ug/L		04/21/25 12:40	05/06/25 09:02	1
Fluoranthene	ND		0.20	0.032	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/21/25 12:40	05/06/25 09:02	1
Fluorene	ND		0.20	0.087	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Chlorophenol	ND		10	0.22	ug/L		04/21/25 12:40	05/06/25 09:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/21/25 12:40	05/06/25 09:02	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/21/25 12:40	05/06/25 09:02	1
Dibenzofuran	ND		10	0.15	ug/L		04/21/25 12:40	05/06/25 09:02	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/21/25 12:40	05/06/25 09:02	1
Phenanthrene	ND		0.20	0.044	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pyrene	ND		0.20	0.095	ug/L		04/21/25 12:40	05/06/25 09:02	1
Diethyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/21/25 12:40	05/06/25 09:02	1

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

Lab Sample ID: MB 400-706504/1-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/21/25 12:40	05/06/25 09:02	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/21/25 12:40	05/06/25 09:02	1
1,4-Dioxane	ND		10	0.070	ug/L		04/21/25 12:40	05/06/25 09:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/21/25 12:40	05/06/25 09:02	1
Hexachloroethane	ND		10	0.53	ug/L		04/21/25 12:40	05/06/25 09:02	1
Indene	ND		10	0.44	ug/L		04/21/25 12:40	05/06/25 09:02	1
Isophorone	ND		10	0.80	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Methylphenol	ND		10	0.30	ug/L		04/21/25 12:40	05/06/25 09:02	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Nitroaniline	ND		10	1.4	ug/L		04/21/25 12:40	05/06/25 09:02	1
3-Nitroaniline	ND		10	0.95	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Nitroaniline	ND		10	1.2	ug/L		04/21/25 12:40	05/06/25 09:02	1
Nitrobenzene	ND		10	0.60	ug/L		04/21/25 12:40	05/06/25 09:02	1
2-Nitrophenol	ND		10	1.2	ug/L		04/21/25 12:40	05/06/25 09:02	1
4-Nitrophenol	ND		10	2.7	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/21/25 12:40	05/06/25 09:02	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pentachlorophenol	ND		10	0.41	ug/L		04/21/25 12:40	05/06/25 09:02	1
Phenol	ND		10	0.27	ug/L		04/21/25 12:40	05/06/25 09:02	1
Pyridine	ND		10	0.64	ug/L		04/21/25 12:40	05/06/25 09:02	1
Quinoline	ND		10	0.50	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/21/25 12:40	05/06/25 09:02	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/21/25 12:40	05/06/25 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2-Fluorobiphenyl	*86*		*15 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2-Fluorophenol	*116*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Nitrobenzene-d5	*101*		*50 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Phenol-d5	*63*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
Terphenyl-d14	*87*		*43 - 147*	*04/21/25 12:40*	*05/06/25 09:02*	*1*
2,4,6-Tribromophenol	*91*		*10 - 150*	*04/21/25 12:40*	*05/06/25 09:02*	*1*

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

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	13.3		ug/L		53	44 - 122
Acenaphthylene	25.0	13.7		ug/L		55	42 - 125
Anthracene	25.0	15.2		ug/L		61	51 - 136
Benzo[a]anthracene	25.0	15.4		ug/L		62	50 - 138
Benzo[a]pyrene	25.0	14.7		ug/L		59	53 - 134
Benzo[b]fluoranthene	25.0	16.0		ug/L		64	50 - 134
Benzo[g,h,i]perylene	25.0	14.8		ug/L		59	42 - 138
Benzo[k]fluoranthene	25.0	15.1		ug/L		60	55 - 136
Chrysene	25.0	15.0		ug/L		60	53 - 141
Dibenz(a,h)anthracene	25.0	15.1		ug/L		60	41 - 139
Fluoranthene	25.0	14.3		ug/L		57	49 - 141
Fluorene	25.0	14.8		ug/L		59	41 - 136
Indeno[1,2,3-cd]pyrene	25.0	14.9		ug/L		60	30 - 150
1-Methylnaphthalene	25.0	14.7		ug/L		59	36 - 117
2-Methylnaphthalene	25.0	14.8		ug/L		59	31 - 115
Phenanthrene	25.0	14.9		ug/L		60	50 - 133
Pyrene	25.0	15.1		ug/L		60	46 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*87*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	25.0	2.73	J	ug/L		11	10 - 150
Benzoic acid	214	397	E *+	ug/L		185	10 - 180
Benzyl alcohol	25.0	4.86	J	ug/L		19	10 - 150
Bis(2-chloroethoxy)methane	25.0	18.8		ug/L		75	60 - 123
Bis(2-chloroethyl)ether	25.0	15.1		ug/L		60	45 - 127
bis (2-chloroisopropyl) ether	25.0	15.0		ug/L		60	10 - 150
Bis(2-ethylhexyl) phthalate	25.0	18.6		ug/L		74	10 - 147
4-Bromophenyl phenyl ether	25.0	13.8		ug/L		55	50 - 126
Butyl benzyl phthalate	25.0	21.8		ug/L		87	36 - 137
4-Chloroaniline	25.0	8.10	J	ug/L		32	10 - 150
4-Chloro-3-methylphenol	25.0	22.2		ug/L		89	14 - 150
2-Chloronaphthalene	25.0	15.1		ug/L		60	44 - 122
2-Chlorophenol	25.0	18.1		ug/L		72	10 - 150
4-Chlorophenyl phenyl ether	25.0	12.8		ug/L		51	51 - 125
Dibenz[a,h]acridine	49.9	32.6		ug/L		65	50 - 150
Dibenzofuran	25.0	14.8		ug/L		59	55 - 125
3,3'-Dichlorobenzidine	33.3	15.2		ug/L		46	10 - 150
2,4-Dichlorophenol	25.0	20.2		ug/L		81	11 - 150
Diethyl phthalate	25.0	16.6		ug/L		66	61 - 130
2,4-Dimethylphenol	25.0	12.7		ug/L		51	5 - 150

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

Lab Sample ID: LCS 400-706504/2-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	25.0	17.3		ug/L		69	55 - 139
Di-n-butyl phthalate	25.0	17.1		ug/L		69	50 - 150
4,6-Dinitro-ortho-cresol	50.0	45.8		ug/L		92	10 - 150
2,4-Dinitrophenol	50.0	44.4		ug/L		89	10 - 150
2,4-Dinitrotoluene	25.0	18.2		ug/L		73	46 - 137
2,6-Dinitrotoluene	25.0	20.9		ug/L		84	35 - 150
Di-n-octyl phthalate	25.0	20.5		ug/L		82	10 - 150
1,4-Dioxane	25.0	14.1		ug/L		56	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	14.3	I	ug/L		57	49 - 125
Hexachlorobenzene	25.0	14.7		ug/L		59	53 - 126
Hexachlorocyclopentadiene	25.0	20.3		ug/L		81	10 - 150
Hexachloroethane	25.0	13.1		ug/L		52	10 - 112
Indene	50.0	21.6	*-	ug/L		43	50 - 150
Isophorone	25.0	14.9		ug/L		60	51 - 125
2-Methylphenol	25.0	15.8		ug/L		63	42 - 120
3 & 4 Methylphenol	25.0	23.4		ug/L		94	10 - 150
2-Nitroaniline	25.0	20.7		ug/L		83	10 - 150
3-Nitroaniline	25.0	20.9		ug/L		84	10 - 150
4-Nitroaniline	25.0	24.2		ug/L		97	10 - 144
Nitrobenzene	25.0	16.0		ug/L		64	57 - 138
2-Nitrophenol	25.0	25.2		ug/L		101	21 - 150
4-Nitrophenol	50.0	45.1		ug/L		90	10 - 150
N-Nitrosodimethylamine	25.0	14.9		ug/L		60	10 - 136
N-Nitrosodi-n-propylamine	25.0	16.7		ug/L		67	53 - 134
N-Nitrosodiphenylamine	24.8	14.9	*-	ug/L		60	62 - 132
Pentachlorophenol	50.0	47.0		ug/L		94	16 - 150
Phenol	25.0	25.0		ug/L		100	10 - 150
Pyridine	50.0	13.0		ug/L		26	10 - 150
Quinoline	49.9	20.1	*-	ug/L		40	50 - 150
2,4,5-Trichlorophenol	25.0	20.3		ug/L		81	10 - 150
2,4,6-Trichlorophenol	25.0	18.4		ug/L		74	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*85*		*50 - 150*
Phenol-d5	*119*		*10 - 150*
Terphenyl-d14	*70*		*43 - 147*
2,4,6-Tribromophenol	*111*		*10 - 150*

Lab Sample ID: LCS 400-706504/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	23.7		ug/L		47	10 - 150

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

Lab Sample ID: LCS 400-706504/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706504

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	82		15 - 150
2-Fluorophenol	109		10 - 150
Nitrobenzene-d5	92		50 - 150
Phenol-d5	76		10 - 150
Terphenyl-d14	83		43 - 147
2,4,6-Tribromophenol	98		10 - 150

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	13.7		ug/L		55	44 - 122	3	40
Acenaphthylene			25.0	14.1		ug/L		57	42 - 125	3	40
Anthracene			25.0	15.4		ug/L		62	51 - 136	1	40
Benzo[a]anthracene			25.0	15.4		ug/L		61	50 - 138	0	40
Benzo[a]pyrene			25.0	14.7		ug/L		59	53 - 134	0	40
Benzo[b]fluoranthene			25.0	16.0		ug/L		64	50 - 134	0	40
Benzo[g,h,i]perylene			25.0	14.8		ug/L		59	42 - 138	0	40
Benzo[k]fluoranthene			25.0	15.0		ug/L		60	55 - 136	1	40
Chrysene			25.0	14.8		ug/L		59	53 - 141	1	40
Dibenz(a,h)anthracene			25.0	15.2		ug/L		61	41 - 139	1	40
Fluoranthene			25.0	14.5		ug/L		58	49 - 141	1	40
Fluorene			25.0	15.2		ug/L		61	41 - 136	2	40
Indeno[1,2,3-cd]pyrene			25.0	15.0		ug/L		60	30 - 150	1	40
1-Methylnaphthalene			25.0	15.0		ug/L		60	36 - 117	2	40
2-Methylnaphthalene			25.0	15.1		ug/L		60	31 - 115	2	40
Phenanthrene			25.0	15.3		ug/L		61	50 - 133	3	40
Pyrene			25.0	15.1		ug/L		61	46 - 149	0	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	72		15 - 150
Nitrobenzene-d5	85		50 - 150
Terphenyl-d14	72		43 - 147

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aniline			25.0	1.98	J *-	ug/L		8	10 - 150	32	40
Benzoic acid			214	390	E *+	ug/L		182	10 - 180	2	40
Benzyl alcohol			25.0	5.17	J	ug/L		21	10 - 150	6	40
Bis(2-chloroethoxy)methane			25.0	18.6		ug/L		75	60 - 123	1	40
Bis(2-chloroethyl)ether			25.0	15.7		ug/L		63	45 - 127	4	40
bis (2-chloroisopropyl) ether			25.0	15.2		ug/L		61	10 - 150	1	40
Bis(2-ethylhexyl) phthalate			25.0	18.2		ug/L		73	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	13.9		ug/L		56	50 - 126	0	40

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

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Butyl benzyl phthalate			25.0	20.6		ug/L		83	36 - 137	6	40
4-Chloroaniline			25.0	8.00	J	ug/L		32	10 - 150	1	40
4-Chloro-3-methylphenol			25.0	20.1		ug/L		80	14 - 150	10	40
2-Chloronaphthalene			25.0	14.3		ug/L		57	44 - 122	5	40
2-Chlorophenol			25.0	18.2		ug/L		73	10 - 150	1	40
4-Chlorophenyl phenyl ether			25.0	12.9		ug/L		52	51 - 125	1	40
Dibenz[a,h]acridine			49.9	32.0		ug/L		64	50 - 150	2	40
Dibenzofuran			25.0	14.9		ug/L		59	55 - 125	0	40
3,3'-Dichlorobenzidine			33.3	16.0		ug/L		48	10 - 150	5	40
2,4-Dichlorophenol			25.0	20.1		ug/L		81	11 - 150	0	40
Diethyl phthalate			25.0	16.5		ug/L		66	61 - 130	0	40
2,4-Dimethylphenol			25.0	12.2		ug/L		49	5 - 150	4	40
Dimethyl phthalate			25.0	17.3		ug/L		69	55 - 139	0	40
Di-n-butyl phthalate			25.0	16.6		ug/L		66	50 - 150	3	40
4,6-Dinitro-ortho-cresol			50.0	45.2		ug/L		90	10 - 150	1	40
2,4-Dinitrophenol			50.0	43.5		ug/L		87	10 - 150	2	40
2,4-Dinitrotoluene			25.0	18.3		ug/L		73	46 - 137	0	40
2,6-Dinitrotoluene			25.0	21.0		ug/L		84	35 - 150	1	40
Di-n-octyl phthalate			25.0	20.4		ug/L		81	10 - 150	1	40
1,4-Dioxane			25.0	14.7		ug/L		59	10 - 137	4	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	14.3	I	ug/L		57	49 - 125	0	40
Hexachlorobenzene			25.0	14.5		ug/L		58	53 - 126	2	40
Hexachlorocyclopentadiene			25.0	20.8		ug/L		83	10 - 150	3	40
Hexachloroethane			25.0	14.0		ug/L		56	10 - 112	7	40
Indene			50.0	25.6		ug/L		51	50 - 150	17	40
Isophorone			25.0	15.3		ug/L		61	51 - 125	2	40
2-Methylphenol			25.0	16.6		ug/L		67	42 - 120	5	40
3 & 4 Methylphenol			25.0	22.8		ug/L		91	10 - 150	3	40
2-Nitroaniline			25.0	20.6		ug/L		83	10 - 150	0	40
3-Nitroaniline			25.0	20.5		ug/L		82	10 - 150	2	40
4-Nitroaniline			25.0	24.4		ug/L		98	10 - 144	1	40
Nitrobenzene			25.0	16.6		ug/L		67	57 - 138	4	40
2-Nitrophenol			25.0	25.0		ug/L		100	21 - 150	1	40
4-Nitrophenol			50.0	41.1		ug/L		82	10 - 150	9	40
N-Nitrosodimethylamine			25.0	15.6		ug/L		62	10 - 136	4	40
N-Nitrosodi-n-propylamine			25.0	17.0		ug/L		68	53 - 134	2	40
N-Nitrosodiphenylamine			24.8	14.9	*-	ug/L		60	62 - 132	0	40
Pentachlorophenol			50.0	45.9		ug/L		92	16 - 150	2	40
Phenol			25.0	25.6		ug/L		102	10 - 150	3	40
Pyridine			50.0	14.3		ug/L		29	10 - 150	10	40
Quinoline			49.9	19.3	*-	ug/L		39	50 - 150	4	40
2,4,5-Trichlorophenol			25.0	19.2		ug/L		77	10 - 150	6	40
2,4,6-Trichlorophenol			25.0	18.1		ug/L		72	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*113*		*10 - 150*

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

Lab Sample ID: LCSD 400-706504/3-A
Matrix: Water
Analysis Batch: 708315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	*89*		*50 - 150*
Phenol-d5	*122*		*10 - 150*
Terphenyl-d14	*69*		*43 - 147*
2,4,6-Tribromophenol	*102*		*10 - 150*

Lab Sample ID: LCSD 400-706504/5-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	22.2		ug/L		44	10 - 150	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	*80*		*15 - 150*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*96*		*50 - 150*
Phenol-d5	*83*		*10 - 150*
Terphenyl-d14	*83*		*43 - 147*
2,4,6-Tribromophenol	*100*		*10 - 150*

Lab Sample ID: MB 400-708675/1-A
Matrix: Water
Analysis Batch: 708745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		05/09/25 07:00	05/10/25 17:07	1
Aniline	ND		10	0.74	ug/L		05/09/25 07:00	05/10/25 17:07	1
Acenaphthylene	ND		0.20	0.047	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzenethiol	ND		10	0.60	ug/L		05/09/25 07:00	05/10/25 17:07	1
Anthracene	ND		0.20	0.073	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzoic acid	ND		30	27	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzyl alcohol	ND		10	1.9	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		05/09/25 07:00	05/10/25 17:07	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		05/09/25 07:00	05/10/25 17:07	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		05/09/25 07:00	05/10/25 17:07	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		05/09/25 07:00	05/10/25 17:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		05/09/25 07:00	05/10/25 17:07	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		05/09/25 07:00	05/10/25 17:07	1
Chrysene	ND		0.20	0.039	ug/L		05/09/25 07:00	05/10/25 17:07	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Chloroaniline	ND		10	0.28	ug/L		05/09/25 07:00	05/10/25 17:07	1
Fluoranthene	ND		0.20	0.032	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		05/09/25 07:00	05/10/25 17:07	1

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

Lab Sample ID: MB 400-708675/1-A
Matrix: Water
Analysis Batch: 708745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.20	0.087	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Chloronaphthalene	ND		10	0.38	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Chlorophenol	ND		10	0.22	ug/L		05/09/25 07:00	05/10/25 17:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		05/09/25 07:00	05/10/25 17:07	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dibenzofuran	ND		10	0.15	ug/L		05/09/25 07:00	05/10/25 17:07	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		05/09/25 07:00	05/10/25 17:07	1
Phenanthrene	ND		0.20	0.044	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		05/09/25 07:00	05/10/25 17:07	1
Pyrene	ND		0.20	0.095	ug/L		05/09/25 07:00	05/10/25 17:07	1
Diethyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		05/09/25 07:00	05/10/25 17:07	1
Dimethyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		05/09/25 07:00	05/10/25 17:07	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		05/09/25 07:00	05/10/25 17:07	1
1,4-Dioxane	ND		10	0.070	ug/L		05/09/25 07:00	05/10/25 17:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		05/09/25 07:00	05/10/25 17:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		05/09/25 07:00	05/10/25 17:07	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		05/09/25 07:00	05/10/25 17:07	1
Hexachloroethane	ND		10	0.53	ug/L		05/09/25 07:00	05/10/25 17:07	1
Indene	ND		10	0.44	ug/L		05/09/25 07:00	05/10/25 17:07	1
Isophorone	ND		10	0.80	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Methylphenol	ND		10	0.30	ug/L		05/09/25 07:00	05/10/25 17:07	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Nitroaniline	ND		10	1.4	ug/L		05/09/25 07:00	05/10/25 17:07	1
3-Nitroaniline	ND		10	0.95	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Nitroaniline	ND		10	1.2	ug/L		05/09/25 07:00	05/10/25 17:07	1
Nitrobenzene	ND		10	0.60	ug/L		05/09/25 07:00	05/10/25 17:07	1
2-Nitrophenol	ND		10	1.2	ug/L		05/09/25 07:00	05/10/25 17:07	1
4-Nitrophenol	ND		10	2.7	ug/L		05/09/25 07:00	05/10/25 17:07	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		05/09/25 07:00	05/10/25 17:07	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		05/09/25 07:00	05/10/25 17:07	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		05/09/25 07:00	05/10/25 17:07	1
Pentachlorophenol	ND		10	0.41	ug/L		05/09/25 07:00	05/10/25 17:07	1
Phenol	ND		10	0.27	ug/L		05/09/25 07:00	05/10/25 17:07	1
Pyridine	ND		10	0.64	ug/L		05/09/25 07:00	05/10/25 17:07	1
Quinoline	ND		10	0.50	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		05/09/25 07:00	05/10/25 17:07	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		05/09/25 07:00	05/10/25 17:07	1

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

Lab Sample ID: MB 400-708675/1-A
Matrix: Water
Analysis Batch: 708745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708675

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	55		15 - 150	05/09/25 07:00	05/10/25 17:07	1
Nitrobenzene-d5	68		50 - 150	05/09/25 07:00	05/10/25 17:07	1
Terphenyl-d14	67		43 - 147	05/09/25 07:00	05/10/25 17:07	1
2-Fluorobiphenyl	55		15 - 150	05/09/25 07:00	05/10/25 17:07	1
2-Fluorophenol	80		10 - 150	05/09/25 07:00	05/10/25 17:07	1
Nitrobenzene-d5	68		50 - 150	05/09/25 07:00	05/10/25 17:07	1
Phenol-d5	84		10 - 150	05/09/25 07:00	05/10/25 17:07	1
Terphenyl-d14	67		43 - 147	05/09/25 07:00	05/10/25 17:07	1
2,4,6-Tribromophenol	71		10 - 150	05/09/25 07:00	05/10/25 17:07	1

Lab Sample ID: LCS 400-708675/2-A
Matrix: Water
Analysis Batch: 708745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	50.0	31.1		ug/L		62	44 - 122
Aniline	50.0	50.8		ug/L		102	10 - 150
Acenaphthylene	50.0	32.9		ug/L		66	42 - 125
Anthracene	50.0	35.0		ug/L		70	51 - 136
Benzoic acid	214	86.5		ug/L		40	10 - 180
Benzo[a]anthracene	50.0	41.7		ug/L		83	50 - 138
Benzyl alcohol	50.0	42.1		ug/L		84	10 - 150
Benzo[a]pyrene	50.0	34.7		ug/L		69	53 - 134
Bis(2-chloroethoxy)methane	50.0	37.6		ug/L		75	60 - 123
Benzo[b]fluoranthene	50.0	36.9		ug/L		74	50 - 134
Bis(2-chloroethyl)ether	50.0	33.4		ug/L		67	45 - 127
Benzo[g,h,i]perylene	50.0	33.4		ug/L		67	42 - 138
bis (2-chloroisopropyl) ether	50.0	32.2		ug/L		64	10 - 150
Benzo[k]fluoranthene	50.0	36.6		ug/L		73	55 - 136
Bis(2-ethylhexyl) phthalate	50.0	36.4		ug/L		73	10 - 147
4-Bromophenyl phenyl ether	50.0	32.5		ug/L		65	50 - 126
Chrysene	50.0	39.9		ug/L		80	53 - 141
Butyl benzyl phthalate	50.0	32.0		ug/L		64	36 - 137
Dibenz(a,h)anthracene	50.0	34.0		ug/L		68	41 - 139
4-Chloroaniline	50.0	38.0		ug/L		76	10 - 150
Fluoranthene	50.0	39.9		ug/L		80	49 - 141
4-Chloro-3-methylphenol	50.0	39.1		ug/L		78	14 - 150
Fluorene	50.0	34.1		ug/L		68	41 - 136
2-Chloronaphthalene	50.0	24.3		ug/L		49	44 - 122
2-Chlorophenol	50.0	36.0		ug/L		72	10 - 150
Indeno[1,2,3-cd]pyrene	50.0	33.7		ug/L		67	30 - 150
1-Methylnaphthalene	50.0	26.8		ug/L		54	36 - 117
4-Chlorophenyl phenyl ether	50.0	31.3		ug/L		63	51 - 125
2-Methylnaphthalene	50.0	26.3		ug/L		53	31 - 115
Dibenz[a,h]acridine	49.9	48.3		ug/L		97	50 - 150
Dibenzofuran	50.0	37.3		ug/L		75	55 - 125
3,3'-Dichlorobenzidine	66.7	55.2		ug/L		83	10 - 150
Phenanthrene	50.0	34.9		ug/L		70	50 - 133

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

Lab Sample ID: LCS 400-708675/2-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	50.0	34.0		ug/L		68	11 - 150
Pyrene	50.0	39.7		ug/L		79	46 - 149
Diethyl phthalate	50.0	29.6	*-	ug/L		59	61 - 130
2,4-Dimethylphenol	50.0	36.3		ug/L		73	5 - 150
Dimethyl phthalate	50.0	30.9		ug/L		62	55 - 139
Di-n-butyl phthalate	50.0	28.6		ug/L		57	50 - 150
4,6-Dinitro-ortho-cresol	100	80.5		ug/L		81	10 - 150
2,4-Dinitrophenol	100	75.0	E	ug/L		75	10 - 150
2,4-Dinitrotoluene	50.0	36.6		ug/L		73	46 - 137
2,6-Dinitrotoluene	50.0	34.6		ug/L		69	35 - 150
Di-n-octyl phthalate	50.0	36.3		ug/L		73	10 - 150
1,4-Dioxane	50.0	41.4		ug/L		83	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	50.0	34.3		ug/L		69	49 - 125
Hexachlorobenzene	50.0	32.4		ug/L		65	53 - 126
Hexachlorocyclopentadiene	50.0	17.2	J	ug/L		34	10 - 150
Hexachloroethane	50.0	22.2		ug/L		44	10 - 112
Indene	50.0	32.8		ug/L		66	50 - 150
Isophorone	50.0	34.8		ug/L		70	51 - 125
2-Methylphenol	50.0	37.6		ug/L		75	42 - 120
3 & 4 Methylphenol	50.0	38.2		ug/L		76	10 - 150
2-Nitroaniline	50.0	38.9		ug/L		78	10 - 150
3-Nitroaniline	50.0	38.9		ug/L		78	10 - 150
4-Nitroaniline	50.0	40.3		ug/L		81	10 - 144
Nitrobenzene	50.0	33.3		ug/L		67	57 - 138
2-Nitrophenol	50.0	36.7		ug/L		73	21 - 150
4-Nitrophenol	100	87.6		ug/L		88	10 - 150
N-Nitrosodimethylamine	50.0	40.2		ug/L		80	10 - 136
N-Nitrosodi-n-propylamine	50.0	35.3		ug/L		71	53 - 134
N-Nitrosodiphenylamine	49.6	36.1		ug/L		73	62 - 132
Pentachlorophenol	100	82.3		ug/L		82	16 - 150
Phenol	50.0	41.1		ug/L		82	10 - 150
Pyridine	100	115		ug/L		115	10 - 150
Quinoline	49.9	44.6		ug/L		89	50 - 150
2,4,5-Trichlorophenol	50.0	37.8		ug/L		76	10 - 150
2,4,6-Trichlorophenol	50.0	39.9		ug/L		80	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*55*		*15 - 150*
Nitrobenzene-d5	*65*		*50 - 150*
Terphenyl-d14	*65*		*43 - 147*
2-Fluorobiphenyl	*55*		*15 - 150*
2-Fluorophenol	*70*		*10 - 150*
Nitrobenzene-d5	*65*		*50 - 150*
Phenol-d5	*78*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*74*		*10 - 150*

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

Lab Sample ID: LCS 400-708675/3-A
Matrix: Water
Analysis Batch: 708746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708675

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	35.4		ug/L		71	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*15 - 150*
2-Fluorophenol	*82*		*10 - 150*
Nitrobenzene-d5	*63*		*50 - 150*
Phenol-d5	*91*		*10 - 150*
Terphenyl-d14	*66*		*43 - 147*
2,4,6-Tribromophenol	*67*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706977/1-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/24/25 13:14	04/24/25 15:30	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/24/25 13:14	04/24/25 15:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*04/24/25 13:14*	*04/24/25 15:30*	*1*

Lab Sample ID: LCS 400-706977/2-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0749		ug/L		74	60 - 140		
1,2-Dibromoethane			0.100	0.0993		ug/L		99	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*66*		*51 - 149*

Lab Sample ID: LCSD 400-706977/3-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0742		ug/L		74	60 - 140	1	30
1,2-Dibromoethane			0.100	0.106		ug/L		106	60 - 140	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*69*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ 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: 4/16/2025
PO #	**GSAP Project ID**	PAGE: ___1___ of ___1___
60738191 – 3.1.2	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 – 3.1.2

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 1Q25 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:	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

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com;**
Vlad.Virjan@aecom.com

REQUESTED ANALYSIS
60738191 – 3.1.2

FIELD NOTES:

400-274450 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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS	
	TB-ROX-041625-8260-SS	4/16/2025	0000	Water	2					2	X				SPLIT REPORT
	TB-ROX-041625-8011-SS	4/16/2025	0000	Water	2					2		X			SPLIT REPORT
	P93D-ROX-041625	4/16/2025	10:00	Water	6			6		12	X	X	X	X	SPLIT REPORT
	P56-ROX-041625	4/16/2025	11:45	Water	6			6		12	X	X	X	X	SPLIT REPORT
	P59-ROX-041625	4/16/2025	13:00	Water	6			6		12	X	X	X	X	SPLIT REPORT
	T12-ROX-041625	4/16/2025	14:00	Water	6			6		12	X	X	X	X	SPLIT REPORT

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 4234 9601 3570, 4234 9601 3606	Date: 4/16/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/17/25	Time: 930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 19Sept24

CUSTODY SEALS: 2779036, 2779037, 2779041, 2779040

6/16/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274450-1

Login Number: 274450
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 IR11
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: 400-274450-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	06-07-25
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274567-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/11/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/18/2025

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 (%)
MW25-ROX-041825	SVOCs	Phenol-d5	**160**	10-150
MW25-ROX-041825-DUP	SVOCs	Phenol-d5	**151**	10-150
MW7-ROX-041825	SVOCs	Phenol-d5	**156**	10-150
P74-ROX-041825	SVOCs	Phenol-d5	**165**	10-150
P74-ROX-041825-DUP	SVOCs	Phenol-d5	**155**	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	
Laboratory Control Spike	LCS was performed at the required frequency and LCS recoveries met acceptance criteria.	X			
Trip/Field/Equipment Blank	Target analytes were not detected in the trip/field/equipment blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MW4-ROX-041825-EB	VOCs	2-Butanone (MEK)	3.4 µg/L

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

MW4-ROX-041825-EB	PAHs	Acenaphthylene	0.047 µg/L
MW4-ROX-041825-EB	PAHs	1-Methylnaphthalene	0.18 µg/L
MW4-ROX-041825-EB	PAHs	2-Methylnaphthalene	0.23 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.

1-Methylnaphthalene and 2-methylnaphthalene in sample MW4-ROX-041825 were qualified due to method blank contamination; no further qualification was required.

Laboratory Blank	Target analytes were not detected in the laboratory blank.		X		

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-707103/1-A	PAHs	1-Methylnaphthalene	0.138 µg/L
MB 400-707103/1-A	PAHs	2-Methylnaphthalene	0.149 ug/L

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

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW4-ROX-041825	PAHs	1-Methylnaphthalene	-	**U**
MW4-ROX-041825	PAHs	2-Methylnaphthalene	-	**U**
P74-ROX-041825	PAHs	2-Methylnaphthalene	0.59 µg/L	**U**
P74-ROX-041825-DUP	PAHs	1-Methylnaphthalene	0.57 µg/L	**U**
P74-ROX-041825-DUP	PAHs	2-Methylnaphthalene	0.43 µg/L	**U**

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.		X		

Method 8260D (VOCs)
Samples analyzed did not require dilution with the exception of non-detect VOCs in sample MW7-ROX-041825 due to dilutions to bring concentration of target analytes within calibration range. VOCs were non-detect at a dilution factor of 1000X, with raised reporting limits of between 1000 and 25000 µg/L. VOCs in sample MW7-ROX-041825 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 June 17, 2025, to revise reported false positive results.

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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		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**	
	70-130% and the medium/high acceptance range of 90-110% as applicable to the method				

Method 8260D (VOCs)

The continuing calibration verification (CCV) for chloromethane was outside evaluation criteria, biased low.

Method 8270E (VOCs)

The initial calibration verification (ICV) for benzoic acid recovered outside evaluation criteria, biased high. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low. Equipment blanks are quality control samples and do not require qualification.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW25-ROX-041825	VOCs	Chloromethane	**UJ**
MW25-ROX-041825-DUP	VOCs	Chloromethane	**UJ**
MW7-ROX-041825	VOCs	Chloromethane	**UJ**
P74-ROX-041825-DUP	VOCs	Chloromethane	**UJ**
P58-ROX-041825	VOCs	Chloromethane	**UJ**
MW4-ROX-041825	SVOCs	Benzyl alcohol	**UJ**
MW25-ROX-041825	SVOCs	Benzyl alcohol	**UJ**
MW25-ROX-041825-DUP	SVOCs	Benzyl alcohol	**UJ**
MW7-ROX-041825	SVOCs	Benzyl alcohol	**UJ**
P74-ROX-041825	SVOCs	Benzyl alcohol	**UJ**
P74-ROX-041825-DUP	SVOCs	Benzyl alcohol	**UJ**
P58-ROX-041825	SVOCs	Benzyl alcohol	**UJ**
MW4-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
MW25-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
MW25-ROX-041825-DUP	SVOCs	2,4-Dinitrophenol	**UJ**
MW7-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
P74-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
P74-ROX-041825-DUP	SVOCs	2,4-Dinitrophenol	**UJ**
P58-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
MW4-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW25-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW25-ROX-041825-DUP	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
MW7-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
P74-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
P74-ROX-041825-DUP	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
P58-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**

Stage 2B, 3, 4 Validation						
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**	
		Pass	**Fail[1]**	**N/A**		
MW4-ROX-041825	SVOCs	Benzoic acid			**J**	
MW25-ROX-041825	SVOCs	Benzoic acid			**J**	
MW25-ROX-041825-DUP	SVOCs	Benzoic acid			**J**	
MW7-ROX-041825	SVOCs	Benzoic acid			**J**	
P74-ROX-041825	SVOCs	Benzoic acid			**J**	
P74-ROX-041825-DUP	SVOCs	Benzoic acid			**J**	
P58-ROX-041825	SVOCs	Benzoic acid			**J**	
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			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**	
	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.

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/17/2025 11:32:23 AM Revision 1

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274567-1

Reviewed 7/16/2025
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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6/17/2025 11:32:23 AM
Revision 1

Authorized for release by
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Job Narrative
400-274567-1

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 false positive reporting. Supersedes report dated 5-5-2025.

Receipt
The samples were received on 4/19/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.4°C, 0.4°C and 1.2°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-041825-8260-A (400-274567-1) and MW4-ROX-041825-EB (400-274567-3). 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 following sample was diluted to bring the concentration of target analytes within the calibration range: P74-ROX-041825 (400-274567-10). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707737 recovered above the upper control limit for Acrylonitrile and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The following sample MW4-ROX-041825-EB (400-274567-3) contained 2-Butanone (MEK) between the method detection limit and the reporting limit. Reanalysis was performed with concurring results.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-041825 (400-274567-5), MW25-ROX-041825-DUP (400-274567-6), MW7-ROX-041825 (400-274567-7) and P74-ROX-041825-DUP (400-274567-11). 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: MW25-ROX-041825 (400-274567-5), MW25-ROX-041825-DUP (400-274567-6), MW7-ROX-041825 (400-274567-7), TB-ROX-041825-8260-B (400-274567-8), P74-ROX-041825-DUP (400-274567-11) and P58-ROX-041825 (400-274567-12). 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 400-707878 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707878/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707878 recovered outside acceptance criteria, low biased, for Chloromethane. 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.

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 method blank for preparation batch 400-707103 and analytical batch 400-707228 contained 1-

Methylnaphthalene and 2-Methylnaphthalene 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 initial calibration verification (ICV) analyzed in batch 400-702879 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 400-707229 recovered above the upper control limit for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,6-Dinitrotoluene, 2-Nitrophenol, 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 continuing calibration verification (CCV) associated with batch 400-707229 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol and Dibenz[a,h]acridine. 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 method blank for preparation batch 400-707103 and analytical batch 400-707229 contained 1,4-Dioxane, 2-Chlorophenol, 2-Methylphenol, 2,2'-oxybis[1-chloropropane], 3 & 4 Methylphenol, Bis(2-chloroethyl)ether, N-Nitrosodiphenylamine and Phenol 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: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW25-ROX-041825 (400-274567-5), MW25-ROX-041825-DUP (400-274567-6), MW7-ROX-041825 (400-274567-7), P74-ROX-041825 (400-274567-10) and P74-ROX-041825-DUP (400-274567-11). These results have been reported and qualified.

Method 8270E_QQQ: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25-ROX-041825 (400-274567-5), MW25-ROX-041825-DUP (400-274567-6), MW7-ROX-041825 (400-274567-7), P74-ROX-041825 (400-274567-10), P74-ROX-041825-DUP (400-274567-11) and P58-ROX-041825 (400-274567-12). 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 Semi VOA
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: 400-274567-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274567-1	TB-ROX-041825-8260-A	Water	04/18/25 00:00	04/19/25 09:40
400-274567-2	TB-ROX-041825-8011-A	Water	04/18/25 00:00	04/19/25 09:40
400-274567-3	MW4-ROX-041825-EB	Water	04/18/25 08:30	04/19/25 09:40
400-274567-4	MW4-ROX-041825	Water	04/18/25 09:25	04/19/25 09:40
400-274567-5	MW25-ROX-041825	Water	04/18/25 10:35	04/19/25 09:40
400-274567-6	MW25-ROX-041825-DUP	Water	04/18/25 10:35	04/19/25 09:40
400-274567-7	MW7-ROX-041825	Water	04/18/25 12:35	04/19/25 09:40
400-274567-8	TB-ROX-041825-8260-B	Water	04/18/25 00:00	04/19/25 09:40
400-274567-9	TB-ROX-041825-8011-B	Water	04/18/25 00:00	04/19/25 09:40
400-274567-10	P74-ROX-041825	Water	04/18/25 10:00	04/19/25 09:40
400-274567-11	P74-ROX-041825-DUP	Water	04/18/25 10:00	04/19/25 09:40
400-274567-12	P58-ROX-041825	Water	04/18/25 11:20	04/19/25 09:40

Detection Summary

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041825-8260-A — Lab Sample ID: 400-274567-1

No Detections.

Client Sample ID: TB-ROX-041825-8011-A — Lab Sample ID: 400-274567-2

No Detections.

Client Sample ID: MW4-ROX-041825-EB — Lab Sample ID: 400-274567-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.4	J	25	2.6	ug/L	1		8260D	Total/NA
Acenaphthylene	0.047	J	0.20	0.046	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	0.18	J B	0.20	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.23	B	0.20	0.075	ug/L	1		8270E	Total/NA

Client Sample ID: MW4-ROX-041825 — Lab Sample ID: 400-274567-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	25	10	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.2		1.0	0.22	ug/L	1		8260D	Total/NA
Benzoic acid	32		30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	~~0.11~~	~~J B~~ U	0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	~~0.11~~	~~J B~~ U	0.20	0.077	ug/L	1		8270E	Total/NA

Client Sample ID: MW25-ROX-041825 — Lab Sample ID: 400-274567-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	140		100	50	ug/L	100		8260D	Total/NA
Toluene	120		100	90	ug/L	100		8260D	Total/NA
Benzene - DL	190000		2000	1000	ug/L	2000		8260D	Total/NA
Aniline	5.4	J	9.8	0.72	ug/L	1		8270E	Total/NA
Benzoic acid	47		29	26	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.3	B	0.20	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	1.4	B	0.20	0.075	ug/L	1		8270E	Total/NA
Indene	0.92	J	9.8	0.43	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	8.5	J I	20	4.5	ug/L	1		8270E	Total/NA
Phenol - DL	730		200	13	ug/L	20		8270E	Total/NA

Client Sample ID: MW25-ROX-041825-DUP — Lab Sample ID: 400-274567-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	140		100	50	ug/L	100		8260D	Total/NA
Toluene	150		100	90	ug/L	100		8260D	Total/NA
Benzene - DL	230000		2000	1000	ug/L	2000		8260D	Total/NA
Aniline	5.5	J	9.7	0.72	ug/L	1		8270E	Total/NA
Acenaphthylene	0.049	J	0.19	0.046	ug/L	1		8270E	Total/NA
Benzoic acid	49		29	26	ug/L	1		8270E	Total/NA
Fluorene	0.090	J	0.19	0.084	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	1.3	B	0.19	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	1.4	B	0.19	0.075	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	9.5	J I	19	4.5	ug/L	1		8270E	Total/NA
Nitrobenzene	0.81	J	9.7	0.58	ug/L	1		8270E	Total/NA
Phenol - DL	670		190	13	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW7-ROX-041825 — Lab Sample ID: 400-274567-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	400000		5000	2500	ug/L	5000		8260D	Total/NA
Acenaphthene	0.36		0.20	0.083	ug/L	1		8270E	Total/NA
Aniline	1.3	J	9.8	0.72	ug/L	1		8270E	Total/NA
Acenaphthylene	0.063	J	0.20	0.046	ug/L	1		8270E	Total/NA
Benzoic acid	77		29	26	ug/L	1		8270E	Total/NA
Fluorene	0.32		0.20	0.085	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	4.1	B	0.20	0.064	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	4.1	B	0.20	0.075	ug/L	1		8270E	Total/NA
Phenanthrene	0.86		0.20	0.043	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	14	J I	20	4.5	ug/L	1		8270E	Total/NA
Nitrobenzene	1.0	J	9.8	0.59	ug/L	1		8270E	Total/NA
Phenol - DL	180		98	6.6	ug/L	10		8270E	Total/NA

Client Sample ID: TB-ROX-041825-8260-B — Lab Sample ID: 400-274567-8

No Detections.

Client Sample ID: TB-ROX-041825-8011-B — Lab Sample ID: 400-274567-9

No Detections.

Client Sample ID: P74-ROX-041825 — Lab Sample ID: 400-274567-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1900		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	10		10	5.0	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	42	J	50	30	ug/L	10		8260D	Total/NA
Toluene	18		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	8.5	J	10	8.2	ug/L	10		8260D	Total/NA
Acenaphthene	0.12	J	0.20	0.085	ug/L	1		8270E	Total/NA
Aniline	5.9	J	10	0.74	ug/L	1		8270E	Total/NA
Acenaphthylene	0.095	J	0.20	0.047	ug/L	1		8270E	Total/NA
Benzoic acid	49		30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	0.70	B	0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.59	B	0.20	0.077	ug/L	1		8270E	Total/NA
2-Methylphenol	1.5	J	10	0.76	ug/L	1		8270E	Total/NA
Phenol - DL	690		200	14	ug/L	20		8270E	Total/NA

Client Sample ID: P74-ROX-041825-DUP — Lab Sample ID: 400-274567-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1900		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	10		10	5.0	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	35	J	50	30	ug/L	10		8260D	Total/NA
Toluene	19		10	9.0	ug/L	10		8260D	Total/NA
Aniline	5.9	J	9.9	0.74	ug/L	1		8270E	Total/NA
Benzoic acid	40		30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	0.57	B	0.20	0.066	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.43	B	0.20	0.076	ug/L	1		8270E	Total/NA
2-Methylphenol	1.5	J	9.9	0.75	ug/L	1		8270E	Total/NA
Phenol - DL	640		200	14	ug/L	20		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P58-ROX-041825
Lab Sample ID: 400-274567-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	200000		1000	500	ug/L	1000		8260D	Total/NA
Acenaphthene	0.79		0.20	0.084	ug/L	1		8270E	Total/NA
Aniline	3.6	J	9.9	0.73	ug/L	1		8270E	Total/NA
Acenaphthylene	0.18	J	0.20	0.046	ug/L	1		8270E	Total/NA
Benzoic acid	65		30	27	ug/L	1		8270E	Total/NA
Benzo[a]anthracene	0.056	J	0.20	0.039	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.051	J	0.20	0.044	ug/L	1		8270E	Total/NA
Chrysene	0.086	J	0.20	0.038	ug/L	1		8270E	Total/NA
Fluoranthene	0.049	J	0.20	0.032	ug/L	1		8270E	Total/NA
Fluorene	1.2		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	39	B	0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	34	B	0.20	0.076	ug/L	1		8270E	Total/NA
Dibenzofuran	1.5	J	9.9	0.63	ug/L	1		8270E	Total/NA
Phenanthrene	0.63		0.20	0.043	ug/L	1		8270E	Total/NA
Pyrene	0.14	J	0.20	0.094	ug/L	1		8270E	Total/NA
2,4-Dinitrotoluene	0.94	J	9.9	0.64	ug/L	1		8270E	Total/NA
3 & 4 Methylphenol	39		20	4.5	ug/L	1		8270E	Total/NA
Nitrobenzene	5.7	J	9.9	0.59	ug/L	1		8270E	Total/NA
Phenol - DL	440		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: 400-274567-1

Client Sample ID: TB-ROX-041825-8260-A
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-1
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			05/01/25 15:18	1
Acrolein	ND		20	3.3	ug/L			05/01/25 15:18	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/25 15:18	1
Benzene	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/25 15:18	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/25 15:18	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Bromoform	ND		5.0	0.25	ug/L			05/01/25 15:18	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/25 15:18	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/25 15:18	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/01/25 15:18	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/01/25 15:18	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/25 15:18	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/25 15:18	1
Chloroform	ND		1.0	0.90	ug/L			05/01/25 15:18	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/01/25 15:18	1
Chloromethane	ND		1.0	0.40	ug/L			05/01/25 15:18	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/01/25 15:18	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/25 15:18	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/01/25 15:18	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/25 15:18	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/25 15:18	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/25 15:18	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/25 15:18	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/01/25 15:18	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 15:18	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/01/25 15:18	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/25 15:18	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/25 15:18	1
2-Hexanone	ND		25	4.3	ug/L			05/01/25 15:18	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/25 15:18	1
Methylene bromide	ND		5.0	0.22	ug/L			05/01/25 15:18	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 15:18	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/25 15:18	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/01/25 15:18	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/01/25 15:18	1
Naphthalene	ND		5.0	3.0	ug/L			05/01/25 15:18	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/25 15:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/25 15:18	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/25 15:18	1
o-Xylene	ND		5.0	3.0	ug/L			05/01/25 15:18	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/25 15:18	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/25 15:18	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: TB-ROX-041825-8260-A
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-1
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			05/01/25 15:18	1
Styrene	ND		1.0	1.0	ug/L			05/01/25 15:18	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/25 15:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/01/25 15:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/01/25 15:18	1
Toluene	ND		1.0	0.90	ug/L			05/01/25 15:18	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 15:18	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/01/25 15:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/01/25 15:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/25 15:18	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/01/25 15:18	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/01/25 15:18	1
Trichloroethene	ND		1.0	0.15	ug/L			05/01/25 15:18	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/01/25 15:18	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/25 15:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/25 15:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/25 15:18	1
Vinyl acetate	ND		25	0.93	ug/L			05/01/25 15:18	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/25 15:18	1
Xylenes, Total	ND		10	6.0	ug/L			05/01/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/01/25 15:18*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*05/01/25 15:18*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/01/25 15:18*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: TB-ROX-041825-8011-A
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/28/25 10:01	04/28/25 13:52	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*04/28/25 10:01*	*04/28/25 13:52*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW4-ROX-041825-EB
Date Collected: 04/18/25 08:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-3
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			05/01/25 15:45	1
Acrolein	ND		20	3.3	ug/L			05/01/25 15:45	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/25 15:45	1
Benzene	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/25 15:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/25 15:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Bromoform	ND		5.0	0.25	ug/L			05/01/25 15:45	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/25 15:45	1
2-Butanone (MEK)	3.4	J	25	2.6	ug/L			05/01/25 15:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/01/25 15:45	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/01/25 15:45	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/25 15:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/25 15:45	1
Chloroform	ND		1.0	0.90	ug/L			05/01/25 15:45	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/01/25 15:45	1
Chloromethane	ND		1.0	0.40	ug/L			05/01/25 15:45	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/01/25 15:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/25 15:45	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/01/25 15:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/25 15:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/25 15:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/25 15:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/25 15:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/01/25 15:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 15:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/01/25 15:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/25 15:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/25 15:45	1
2-Hexanone	ND		25	4.3	ug/L			05/01/25 15:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/25 15:45	1
Methylene bromide	ND		5.0	0.22	ug/L			05/01/25 15:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/25 15:45	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/01/25 15:45	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/01/25 15:45	1
Naphthalene	ND		5.0	3.0	ug/L			05/01/25 15:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/25 15:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/25 15:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/25 15:45	1
o-Xylene	ND		5.0	3.0	ug/L			05/01/25 15:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/25 15:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/25 15:45	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW4-ROX-041825-EB
Date Collected: 04/18/25 08:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-3
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			05/01/25 15:45	1
Styrene	ND		1.0	1.0	ug/L			05/01/25 15:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/25 15:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/01/25 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/01/25 15:45	1
Toluene	ND		1.0	0.90	ug/L			05/01/25 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 15:45	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/01/25 15:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/01/25 15:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/25 15:45	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/01/25 15:45	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/01/25 15:45	1
Trichloroethene	ND		1.0	0.15	ug/L			05/01/25 15:45	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/01/25 15:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/25 15:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/25 15:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/25 15:45	1
Vinyl acetate	ND		25	0.93	ug/L			05/01/25 15:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/25 15:45	1
Xylenes, Total	ND		10	6.0	ug/L			05/01/25 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*05/01/25 15:45*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*05/01/25 15:45*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/01/25 15:45*	*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	0.083	ug/L		04/25/25 12:21	04/28/25 19:24	1
Aniline	ND		9.8	0.72	ug/L		04/25/25 12:21	04/28/25 19:24	1
Acenaphthylene	**0.047**	**J**	0.20	0.046	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzenethiol	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 19:24	1
Anthracene	ND		0.20	0.071	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzoic acid	ND		29	26	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzyl alcohol	ND	*-	9.8	1.8	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 19:24	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/25/25 12:21	04/28/25 19:24	1
Bis(2-chloroethyl)ether	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/25/25 12:21	04/28/25 19:24	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 19:24	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 19:24	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/25/25 12:21	04/28/25 19:24	1
Chrysene	ND		0.20	0.038	ug/L		04/25/25 12:21	04/28/25 19:24	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Chloroaniline	ND		9.8	0.27	ug/L		04/25/25 12:21	04/28/25 19:24	1

Client Sample ID: MW4-ROX-041825-EB
Date Collected: 04/18/25 08:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Chloro-3-methylphenol	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 19:24	1
Fluorene	ND		0.20	0.085	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Chlorophenol	ND		9.8	0.82	ug/L		04/25/25 12:21	04/28/25 19:24	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 19:24	1
1-Methylnaphthalene	**0.18**	**J B**	0.20	0.064	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Chlorophenyl phenyl ether	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Methylnaphthalene	**0.23**	**B**	0.20	0.075	ug/L		04/25/25 12:21	04/28/25 19:24	1
Dibenz[a,h]acridine	ND		9.8	0.67	ug/L		04/25/25 12:21	04/28/25 19:24	1
Dibenzofuran	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 19:24	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 19:24	1
Phenanthrene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/25/25 12:21	04/28/25 19:24	1
Pyrene	ND		0.20	0.093	ug/L		04/25/25 12:21	04/28/25 19:24	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4-Dimethylphenol	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 19:24	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4-Dinitrophenol	ND		29	4.6	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		04/25/25 12:21	04/28/25 19:24	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 19:24	1
1,4-Dioxane	ND		9.8	4.2	ug/L		04/25/25 12:21	04/28/25 19:24	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 19:24	1
Hexachlorobenzene	ND		9.8	0.24	ug/L		04/25/25 12:21	04/28/25 19:24	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/25/25 12:21	04/28/25 19:24	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/25/25 12:21	04/28/25 19:24	1
Indene	ND		9.8	0.43	ug/L		04/25/25 12:21	04/28/25 19:24	1
Isophorone	ND		9.8	0.78	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Methylphenol	ND		9.8	0.74	ug/L		04/25/25 12:21	04/28/25 19:24	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/25/25 12:21	04/28/25 19:24	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Nitroaniline	ND		9.8	3.4	ug/L		04/25/25 12:21	04/28/25 19:24	1
Nitrobenzene	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 19:24	1
2-Nitrophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 19:24	1
4-Nitrophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 19:24	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		04/25/25 12:21	04/28/25 19:24	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/25/25 12:21	04/28/25 19:24	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/25/25 12:21	04/28/25 19:24	1
Pentachlorophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 19:24	1
Phenol	ND		9.8	0.66	ug/L		04/25/25 12:21	04/28/25 19:24	1
Pyridine	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 19:24	1
Quinoline	ND		9.8	0.49	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/25/25 12:21	04/28/25 19:24	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 19:24	1

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW4-ROX-041825-EB
Lab Sample ID: 400-274567-3
Date Collected: 04/18/25 08:30
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
Terphenyl-d14	*78*		*43 - 147*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
2-Fluorobiphenyl	*78*		*15 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
2-Fluorophenol	*124*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
Phenol-d5	*106*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
Terphenyl-d14	*78*		*43 - 147*	*04/25/25 12:21*	*04/28/25 19:24*	*1*
2,4,6-Tribromophenol	*95*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:24*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/28/25 10:01	04/28/25 14:13	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*51 - 149*	*04/28/25 10:01*	*04/28/25 14:13*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW4-ROX-041825
Date Collected: 04/18/25 09:25
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**	**J**	25	10	ug/L			05/01/25 16:12	1
Acrolein	ND		20	3.3	ug/L			05/01/25 16:12	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/25 16:12	1
Benzene	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/25 16:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/25 16:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Bromoform	ND		5.0	0.25	ug/L			05/01/25 16:12	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/25 16:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/25 16:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/01/25 16:12	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/01/25 16:12	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/25 16:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/25 16:12	1
Chloroform	ND		1.0	0.90	ug/L			05/01/25 16:12	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/01/25 16:12	1
Chloromethane	ND		1.0	0.40	ug/L			05/01/25 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/01/25 16:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/25 16:12	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/01/25 16:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/25 16:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/25 16:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/25 16:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/25 16:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/01/25 16:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 16:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/01/25 16:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/25 16:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/25 16:12	1
2-Hexanone	ND		25	4.3	ug/L			05/01/25 16:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/25 16:12	1
Methylene bromide	ND		5.0	0.22	ug/L			05/01/25 16:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/25 16:12	1
Methyl tert-butyl ether	**1.2**		1.0	0.22	ug/L			05/01/25 16:12	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/01/25 16:12	1
Naphthalene	ND		5.0	3.0	ug/L			05/01/25 16:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/25 16:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/25 16:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/25 16:12	1
o-Xylene	ND		5.0	3.0	ug/L			05/01/25 16:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/25 16:12	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/25 16:12	1

Client Sample ID: MW4-ROX-041825
Date Collected: 04/18/25 09:25
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-4
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			05/01/25 16:12	1
Styrene	ND		1.0	1.0	ug/L			05/01/25 16:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/25 16:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/01/25 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/01/25 16:12	1
Toluene	ND		1.0	0.90	ug/L			05/01/25 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 16:12	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/01/25 16:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/01/25 16:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/25 16:12	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/01/25 16:12	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/01/25 16:12	1
Trichloroethene	ND		1.0	0.15	ug/L			05/01/25 16:12	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/01/25 16:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/25 16:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/25 16:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/25 16:12	1
Vinyl acetate	ND		25	0.93	ug/L			05/01/25 16:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/25 16:12	1
Xylenes, Total	ND		10	6.0	ug/L			05/01/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/01/25 16:12*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*05/01/25 16:12*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/01/25 16:12*	*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		04/25/25 12:21	04/28/25 19:55	1
Aniline	ND		10	0.74	ug/L		04/25/25 12:21	04/28/25 19:55	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzenethiol	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 19:55	1
Anthracene	ND		0.20	0.073	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzoic acid	**32**	J	30	27	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/25/25 12:21	04/28/25 19:55	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/25/25 12:21	04/28/25 19:55	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/25/25 12:21	04/28/25 19:55	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 19:55	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 19:55	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/25/25 12:21	04/28/25 19:55	1
Chrysene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 19:55	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Chloroaniline	ND		10	0.28	ug/L		04/25/25 12:21	04/28/25 19:55	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW4-ROX-041825
Date Collected: 04/18/25 09:25
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 19:55	1
Fluorene	ND		0.20	0.087	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Chlorophenol	ND		10	0.84	ug/L		04/25/25 12:21	04/28/25 19:55	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 19:55	1
1-Methylnaphthalene	~~0.11~~ ~~J B~~ U		0.20	0.066	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Methylnaphthalene	~~0.11~~ ~~J B~~ U		0.20	0.077	ug/L		04/25/25 12:21	04/28/25 19:55	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/25/25 12:21	04/28/25 19:55	1
Dibenzofuran	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 19:55	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/25/25 12:21	04/28/25 19:55	1
Phenanthrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/25/25 12:21	04/28/25 19:55	1
Pyrene	ND		0.20	0.095	ug/L		04/25/25 12:21	04/28/25 19:55	1
Diethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 19:55	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/25/25 12:21	04/28/25 19:55	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
1,4-Dioxane	ND		10	4.3	ug/L		04/25/25 12:21	04/28/25 19:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 19:55	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/25/25 12:21	04/28/25 19:55	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 19:55	1
Hexachloroethane	ND		10	0.53	ug/L		04/25/25 12:21	04/28/25 19:55	1
Indene	ND		10	0.44	ug/L		04/25/25 12:21	04/28/25 19:55	1
Isophorone	ND		10	0.80	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Methylphenol	ND		10	0.76	ug/L		04/25/25 12:21	04/28/25 19:55	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Nitroaniline	ND		10	1.4	ug/L		04/25/25 12:21	04/28/25 19:55	1
3-Nitroaniline	ND		10	0.95	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Nitroaniline	ND		10	3.5	ug/L		04/25/25 12:21	04/28/25 19:55	1
Nitrobenzene	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 19:55	1
2-Nitrophenol	ND		10	1.2	ug/L		04/25/25 12:21	04/28/25 19:55	1
4-Nitrophenol	ND		10	2.7	ug/L		04/25/25 12:21	04/28/25 19:55	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/25/25 12:21	04/28/25 19:55	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/25/25 12:21	04/28/25 19:55	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/25/25 12:21	04/28/25 19:55	1
Pentachlorophenol	ND		10	2.8	ug/L		04/25/25 12:21	04/28/25 19:55	1
Phenol	ND		10	0.68	ug/L		04/25/25 12:21	04/28/25 19:55	1
Pyridine	ND		10	3.0	ug/L		04/25/25 12:21	04/28/25 19:55	1
Quinoline	ND		10	0.50	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/25/25 12:21	04/28/25 19:55	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/25/25 12:21	04/28/25 19:55	1

Client Sample ID: MW4-ROX-041825
Date Collected: 04/18/25 09:25
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
2-Fluorophenol	*126*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
Nitrobenzene-d5	*90*		*50 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
Phenol-d5	*119*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
Terphenyl-d14	*68*		*43 - 147*	*04/25/25 12:21*	*04/28/25 19:55*	*1*
2,4,6-Tribromophenol	*93*		*10 - 150*	*04/25/25 12:21*	*04/28/25 19:55*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/28/25 10:01	04/28/25 14:35	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*51 - 149*	*04/28/25 10:01*	*04/28/25 14:35*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW25-ROX-041825
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2500	1000	ug/L			05/02/25 16:50	100
Acrolein	ND		2000	330	ug/L			05/02/25 16:50	100
Acrylonitrile	ND		1000	280	ug/L			05/02/25 16:50	100
Bromobenzene	ND		100	54	ug/L			05/02/25 16:50	100
Bromochloromethane	ND		100	52	ug/L			05/02/25 16:50	100
Bromodichloromethane	ND		100	50	ug/L			05/02/25 16:50	100
Bromoform	ND		500	25	ug/L			05/02/25 16:50	100
Bromomethane	ND		100	98	ug/L			05/02/25 16:50	100
2-Butanone (MEK)	ND		2500	260	ug/L			05/02/25 16:50	100
Carbon disulfide	ND		100	50	ug/L			05/02/25 16:50	100
Carbon tetrachloride	ND		100	19	ug/L			05/02/25 16:50	100
Chlorobenzene	ND		100	42	ug/L			05/02/25 16:50	100
Chloroethane	ND		100	76	ug/L			05/02/25 16:50	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			05/02/25 16:50	100
Chloroform	ND		100	90	ug/L			05/02/25 16:50	100
1-Chlorohexane	ND		100	32	ug/L			05/02/25 16:50	100
Chloromethane	ND	UJ	100	40	ug/L			05/02/25 16:50	100
cis-1,2-Dichloroethene	ND		100	20	ug/L			05/02/25 16:50	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			05/02/25 16:50	100
Dibromochloromethane	ND		100	24	ug/L			05/02/25 16:50	100
1,2-Dichlorobenzene	ND		100	50	ug/L			05/02/25 16:50	100
1,3-Dichlorobenzene	ND		100	54	ug/L			05/02/25 16:50	100
1,4-Dichlorobenzene	ND		100	64	ug/L			05/02/25 16:50	100
Dichlorodifluoromethane	ND		100	85	ug/L			05/02/25 16:50	100
1,1-Dichloroethane	ND		100	50	ug/L			05/02/25 16:50	100
1,2-Dichloroethane	ND		100	55	ug/L			05/02/25 16:50	100
1,1-Dichloroethene	ND		100	50	ug/L			05/02/25 16:50	100
1,2-Dichloropropane	ND		100	50	ug/L			05/02/25 16:50	100
1,3-Dichloropropane	ND		100	50	ug/L			05/02/25 16:50	100
2,2-Dichloropropane	ND		100	50	ug/L			05/02/25 16:50	100
1,1-Dichloropropene	ND		100	9.0	ug/L			05/02/25 16:50	100
Ethylbenzene	**140**		100	50	ug/L			05/02/25 16:50	100
Ethyl methacrylate	ND		100	60	ug/L			05/02/25 16:50	100
Hexachlorobutadiene	ND		500	90	ug/L			05/02/25 16:50	100
2-Hexanone	ND		2500	430	ug/L			05/02/25 16:50	100
Isopropylbenzene	ND		100	53	ug/L			05/02/25 16:50	100
Methylene bromide	ND		500	22	ug/L			05/02/25 16:50	100
Methylene Chloride	ND		500	300	ug/L			05/02/25 16:50	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			05/02/25 16:50	100
Methyl tert-butyl ether	ND		100	22	ug/L			05/02/25 16:50	100
m-Xylene & p-Xylene	ND		500	300	ug/L			05/02/25 16:50	100
Naphthalene	ND		500	300	ug/L			05/02/25 16:50	100
n-Butylbenzene	ND		100	76	ug/L			05/02/25 16:50	100
N-Propylbenzene	ND		100	69	ug/L			05/02/25 16:50	100
o-Chlorotoluene	ND		100	57	ug/L			05/02/25 16:50	100
o-Xylene	ND		500	300	ug/L			05/02/25 16:50	100
p-Chlorotoluene	ND		100	56	ug/L			05/02/25 16:50	100
p-Isopropyltoluene	ND		100	71	ug/L			05/02/25 16:50	100
sec-Butylbenzene	ND		100	70	ug/L			05/02/25 16:50	100

Client Sample ID: MW25-ROX-041825
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	100	ug/L			05/02/25 16:50	100
tert-Butylbenzene	ND		100	63	ug/L			05/02/25 16:50	100
1,1,1,2-Tetrachloroethane	ND		100	38	ug/L			05/02/25 16:50	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			05/02/25 16:50	100
Tetrachloroethene	ND		100	33	ug/L			05/02/25 16:50	100
Toluene	**120**		100	90	ug/L			05/02/25 16:50	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			05/02/25 16:50	100
trans-1,3-Dichloropropene	ND		500	20	ug/L			05/02/25 16:50	100
1,2,3-Trichlorobenzene	ND		100	90	ug/L			05/02/25 16:50	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			05/02/25 16:50	100
1,1,1-Trichloroethane	ND		100	18	ug/L			05/02/25 16:50	100
1,1,2-Trichloroethane	ND		500	21	ug/L			05/02/25 16:50	100
Trichloroethene	ND		100	15	ug/L			05/02/25 16:50	100
Trichlorofluoromethane	ND		100	25	ug/L			05/02/25 16:50	100
1,2,3-Trichloropropane	ND		500	84	ug/L			05/02/25 16:50	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			05/02/25 16:50	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			05/02/25 16:50	100
Vinyl acetate	ND		2500	93	ug/L			05/02/25 16:50	100
Vinyl chloride	ND		100	50	ug/L			05/02/25 16:50	100
Xylenes, Total	ND		1000	600	ug/L			05/02/25 16:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*05/02/25 16:50*	*100*
Dibromofluoromethane	*100*		*79 - 130*		*05/02/25 16:50*	*100*
Toluene-d8 (Surr)	*94*		*64 - 132*		*05/02/25 16:50*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**190000**		2000	1000	ug/L			05/02/25 18:11	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 18:11*	*2000*
Dibromofluoromethane	*112*		*79 - 130*		*05/02/25 18:11*	*2000*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 18:11*	*2000*

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		04/25/25 12:21	04/28/25 20:25	1
Aniline	**5.4**	**J**	9.8	0.72	ug/L		04/25/25 12:21	04/28/25 20:25	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzenethiol	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 20:25	1
Anthracene	ND		0.20	0.071	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzoic acid	**47**	J	29	26	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzyl alcohol	ND	*- UJ	9.8	1.8	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 20:25	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/25/25 12:21	04/28/25 20:25	1
Bis(2-chloroethyl)ether	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/25/25 12:21	04/28/25 20:25	1

Client Sample ID: MW25-ROX-041825
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 20:25	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 20:25	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/25/25 12:21	04/28/25 20:25	1
Chrysene	ND		0.20	0.038	ug/L		04/25/25 12:21	04/28/25 20:25	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Chloroaniline	ND		9.8	0.27	ug/L		04/25/25 12:21	04/28/25 20:25	1
Fluoranthene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Chloro-3-methylphenol	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 20:25	1
Fluorene	ND		0.20	0.085	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Chlorophenol	ND		9.8	0.82	ug/L		04/25/25 12:21	04/28/25 20:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 20:25	1
1-Methylnaphthalene	**1.3**	**B**	0.20	0.064	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Chlorophenyl phenyl ether	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Methylnaphthalene	**1.4**	**B**	0.20	0.075	ug/L		04/25/25 12:21	04/28/25 20:25	1
Dibenz[a,h]acridine	ND		9.8	0.67	ug/L		04/25/25 12:21	04/28/25 20:25	1
Dibenzofuran	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 20:25	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 20:25	1
Phenanthrene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/25/25 12:21	04/28/25 20:25	1
Pyrene	ND		0.20	0.093	ug/L		04/25/25 12:21	04/28/25 20:25	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4-Dimethylphenol	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 20:25	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.8	1.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4-Dinitrophenol	ND	UJ	29	4.6	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		04/25/25 12:21	04/28/25 20:25	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 20:25	1
1,4-Dioxane	ND		9.8	4.2	ug/L		04/25/25 12:21	04/28/25 20:25	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 20:25	1
Hexachlorobenzene	ND		9.8	0.24	ug/L		04/25/25 12:21	04/28/25 20:25	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/25/25 12:21	04/28/25 20:25	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/25/25 12:21	04/28/25 20:25	1
Indene	**0.92**	**J**	9.8	0.43	ug/L		04/25/25 12:21	04/28/25 20:25	1
Isophorone	ND		9.8	0.78	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Methylphenol	ND		9.8	0.74	ug/L		04/25/25 12:21	04/28/25 20:25	1
3 & 4 Methylphenol	**8.5**	**J I**	20	4.5	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/25/25 12:21	04/28/25 20:25	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Nitroaniline	ND		9.8	3.4	ug/L		04/25/25 12:21	04/28/25 20:25	1
Nitrobenzene	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 20:25	1
2-Nitrophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 20:25	1
4-Nitrophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 20:25	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		04/25/25 12:21	04/28/25 20:25	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/25/25 12:21	04/28/25 20:25	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW25-ROX-041825
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/25/25 12:21	04/28/25 20:25	1
Pentachlorophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 20:25	1
Pyridine	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 20:25	1
Quinoline	ND		9.8	0.49	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/25/25 12:21	04/28/25 20:25	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
Terphenyl-d14	*66*		*43 - 147*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
2-Fluorophenol	*130*		*10 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
Phenol-d5	*160*	*S1+*	*10 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
Terphenyl-d14	*66*		*43 - 147*	*04/25/25 12:21*	*04/28/25 20:25*	*1*
2,4,6-Tribromophenol	*92*		*10 - 150*	*04/25/25 12:21*	*04/28/25 20:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**730**		200	13	ug/L		04/25/25 12:21	05/01/25 19:12	20

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/28/25 10:01	04/28/25 14:56	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*51 - 149*	*04/28/25 10:01*	*04/28/25 14:56*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW25-ROX-041825-DUP
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2500	1000	ug/L			05/02/25 17:17	100
Acrolein	ND		2000	330	ug/L			05/02/25 17:17	100
Acrylonitrile	ND		1000	280	ug/L			05/02/25 17:17	100
Bromobenzene	ND		100	54	ug/L			05/02/25 17:17	100
Bromochloromethane	ND		100	52	ug/L			05/02/25 17:17	100
Bromodichloromethane	ND		100	50	ug/L			05/02/25 17:17	100
Bromoform	ND		500	25	ug/L			05/02/25 17:17	100
Bromomethane	ND		100	98	ug/L			05/02/25 17:17	100
2-Butanone (MEK)	ND		2500	260	ug/L			05/02/25 17:17	100
Carbon disulfide	ND		100	50	ug/L			05/02/25 17:17	100
Carbon tetrachloride	ND		100	19	ug/L			05/02/25 17:17	100
Chlorobenzene	ND		100	42	ug/L			05/02/25 17:17	100
Chloroethane	ND		100	76	ug/L			05/02/25 17:17	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			05/02/25 17:17	100
Chloroform	ND		100	90	ug/L			05/02/25 17:17	100
1-Chlorohexane	ND		100	32	ug/L			05/02/25 17:17	100
Chloromethane	ND	UJ	100	40	ug/L			05/02/25 17:17	100
cis-1,2-Dichloroethene	ND		100	20	ug/L			05/02/25 17:17	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			05/02/25 17:17	100
Dibromochloromethane	ND		100	24	ug/L			05/02/25 17:17	100
1,2-Dichlorobenzene	ND		100	50	ug/L			05/02/25 17:17	100
1,3-Dichlorobenzene	ND		100	54	ug/L			05/02/25 17:17	100
1,4-Dichlorobenzene	ND		100	64	ug/L			05/02/25 17:17	100
Dichlorodifluoromethane	ND		100	85	ug/L			05/02/25 17:17	100
1,1-Dichloroethane	ND		100	50	ug/L			05/02/25 17:17	100
1,2-Dichloroethane	ND		100	55	ug/L			05/02/25 17:17	100
1,1-Dichloroethene	ND		100	50	ug/L			05/02/25 17:17	100
1,2-Dichloropropane	ND		100	50	ug/L			05/02/25 17:17	100
1,3-Dichloropropane	ND		100	50	ug/L			05/02/25 17:17	100
2,2-Dichloropropane	ND		100	50	ug/L			05/02/25 17:17	100
1,1-Dichloropropene	ND		100	9.0	ug/L			05/02/25 17:17	100
Ethylbenzene	**140**		100	50	ug/L			05/02/25 17:17	100
Ethyl methacrylate	ND		100	60	ug/L			05/02/25 17:17	100
Hexachlorobutadiene	ND		500	90	ug/L			05/02/25 17:17	100
2-Hexanone	ND		2500	430	ug/L			05/02/25 17:17	100
Isopropylbenzene	ND		100	53	ug/L			05/02/25 17:17	100
Methylene bromide	ND		500	22	ug/L			05/02/25 17:17	100
Methylene Chloride	ND		500	300	ug/L			05/02/25 17:17	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			05/02/25 17:17	100
Methyl tert-butyl ether	ND		100	22	ug/L			05/02/25 17:17	100
m-Xylene & p-Xylene	ND		500	300	ug/L			05/02/25 17:17	100
Naphthalene	ND		500	300	ug/L			05/02/25 17:17	100
n-Butylbenzene	ND		100	76	ug/L			05/02/25 17:17	100
N-Propylbenzene	ND		100	69	ug/L			05/02/25 17:17	100
o-Chlorotoluene	ND		100	57	ug/L			05/02/25 17:17	100
o-Xylene	ND		500	300	ug/L			05/02/25 17:17	100
p-Chlorotoluene	ND		100	56	ug/L			05/02/25 17:17	100
p-Isopropyltoluene	ND		100	71	ug/L			05/02/25 17:17	100
sec-Butylbenzene	ND		100	70	ug/L			05/02/25 17:17	100

Client Sample ID: MW25-ROX-041825-DUP
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	100	ug/L			05/02/25 17:17	100
tert-Butylbenzene	ND		100	63	ug/L			05/02/25 17:17	100
1,1,1,2-Tetrachloroethane	ND		100	38	ug/L			05/02/25 17:17	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			05/02/25 17:17	100
Tetrachloroethene	ND		100	33	ug/L			05/02/25 17:17	100
Toluene	**150**		100	90	ug/L			05/02/25 17:17	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			05/02/25 17:17	100
trans-1,3-Dichloropropene	ND		500	20	ug/L			05/02/25 17:17	100
1,2,3-Trichlorobenzene	ND		100	90	ug/L			05/02/25 17:17	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			05/02/25 17:17	100
1,1,1-Trichloroethane	ND		100	18	ug/L			05/02/25 17:17	100
1,1,2-Trichloroethane	ND		500	21	ug/L			05/02/25 17:17	100
Trichloroethene	ND		100	15	ug/L			05/02/25 17:17	100
Trichlorofluoromethane	ND		100	25	ug/L			05/02/25 17:17	100
1,2,3-Trichloropropane	ND		500	84	ug/L			05/02/25 17:17	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			05/02/25 17:17	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			05/02/25 17:17	100
Vinyl acetate	ND		2500	93	ug/L			05/02/25 17:17	100
Vinyl chloride	ND		100	50	ug/L			05/02/25 17:17	100
Xylenes, Total	ND		1000	600	ug/L			05/02/25 17:17	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 17:17*	*100*
Dibromofluoromethane	*102*		*79 - 130*		*05/02/25 17:17*	*100*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/02/25 17:17*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**230000**		2000	1000	ug/L			05/02/25 18:38	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 18:38*	*2000*
Dibromofluoromethane	*111*		*79 - 130*		*05/02/25 18:38*	*2000*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 18:38*	*2000*

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		04/25/25 12:21	04/28/25 20:56	1
Aniline	**5.5**	**J**	9.7	0.72	ug/L		04/25/25 12:21	04/28/25 20:56	1
Acenaphthylene	**0.049**	**J**	0.19	0.046	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzenethiol	ND		9.7	0.58	ug/L		04/25/25 12:21	04/28/25 20:56	1
Anthracene	ND		0.19	0.071	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzoic acid	**49**	J	29	26	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzo[a]anthracene	ND		0.19	0.039	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzyl alcohol	ND	*- UJ	9.7	1.8	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzo[a]pyrene	ND		0.19	0.044	ug/L		04/25/25 12:21	04/28/25 20:56	1
Bis(2-chloroethoxy)methane	ND		9.7	0.33	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzo[b]fluoranthene	ND		0.19	0.041	ug/L		04/25/25 12:21	04/28/25 20:56	1
Bis(2-chloroethyl)ether	ND		9.7	0.71	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzo[g,h,i]perylene	ND		0.19	0.050	ug/L		04/25/25 12:21	04/28/25 20:56	1

Client Sample ID: MW25-ROX-041825-DUP
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		9.7	0.90	ug/L		04/25/25 12:21	04/28/25 20:56	1
Benzo[k]fluoranthene	ND		0.19	0.039	ug/L		04/25/25 12:21	04/28/25 20:56	1
Bis(2-ethylhexyl) phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Bromophenyl phenyl ether	ND		9.7	0.13	ug/L		04/25/25 12:21	04/28/25 20:56	1
Chrysene	ND		0.19	0.038	ug/L		04/25/25 12:21	04/28/25 20:56	1
Butyl benzyl phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
Dibenz(a,h)anthracene	ND		0.19	0.043	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Chloroaniline	ND		9.7	0.27	ug/L		04/25/25 12:21	04/28/25 20:56	1
Fluoranthene	ND		0.19	0.031	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Chloro-3-methylphenol	ND		9.7	0.71	ug/L		04/25/25 12:21	04/28/25 20:56	1
Fluorene	**0.090**	**J**	0.19	0.084	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Chloronaphthalene	ND		9.7	0.37	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Chlorophenol	ND		9.7	0.82	ug/L		04/25/25 12:21	04/28/25 20:56	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.031	ug/L		04/25/25 12:21	04/28/25 20:56	1
1-Methylnaphthalene	**1.3**	**B**	0.19	0.064	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Chlorophenyl phenyl ether	ND		9.7	0.23	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Methylnaphthalene	**1.4**	**B**	0.19	0.075	ug/L		04/25/25 12:21	04/28/25 20:56	1
Dibenz[a,h]acridine	ND		9.7	0.67	ug/L		04/25/25 12:21	04/28/25 20:56	1
Dibenzofuran	ND		9.7	0.62	ug/L		04/25/25 12:21	04/28/25 20:56	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 20:56	1
Phenanthrene	ND		0.19	0.043	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4-Dichlorophenol	ND		9.7	0.55	ug/L		04/25/25 12:21	04/28/25 20:56	1
Pyrene	ND		0.19	0.092	ug/L		04/25/25 12:21	04/28/25 20:56	1
Diethyl phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4-Dimethylphenol	ND		9.7	0.23	ug/L		04/25/25 12:21	04/28/25 20:56	1
Dimethyl phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
Di-n-butyl phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.7	1.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4-Dinitrophenol	ND	UJ	29	4.5	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4-Dinitrotoluene	ND		9.7	0.63	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,6-Dinitrotoluene	ND		9.7	0.28	ug/L		04/25/25 12:21	04/28/25 20:56	1
Di-n-octyl phthalate	ND		9.7	3.9	ug/L		04/25/25 12:21	04/28/25 20:56	1
1,4-Dioxane	ND		9.7	4.2	ug/L		04/25/25 12:21	04/28/25 20:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.90	ug/L		04/25/25 12:21	04/28/25 20:56	1
Hexachlorobenzene	ND		9.7	0.24	ug/L		04/25/25 12:21	04/28/25 20:56	1
Hexachlorocyclopentadiene	ND		19	0.31	ug/L		04/25/25 12:21	04/28/25 20:56	1
Hexachloroethane	ND		9.7	0.51	ug/L		04/25/25 12:21	04/28/25 20:56	1
Indene	ND		9.7	0.43	ug/L		04/25/25 12:21	04/28/25 20:56	1
Isophorone	ND		9.7	0.78	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Methylphenol	ND		9.7	0.74	ug/L		04/25/25 12:21	04/28/25 20:56	1
3 & 4 Methylphenol	**9.5**	**J I**	19	4.5	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Nitroaniline	ND		9.7	1.3	ug/L		04/25/25 12:21	04/28/25 20:56	1
3-Nitroaniline	ND		9.7	0.92	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Nitroaniline	ND		9.7	3.4	ug/L		04/25/25 12:21	04/28/25 20:56	1
Nitrobenzene	**0.81**	**J**	9.7	0.58	ug/L		04/25/25 12:21	04/28/25 20:56	1
2-Nitrophenol	ND		9.7	1.1	ug/L		04/25/25 12:21	04/28/25 20:56	1
4-Nitrophenol	ND		9.7	2.7	ug/L		04/25/25 12:21	04/28/25 20:56	1
N-Nitrosodimethylamine	ND		9.7	0.94	ug/L		04/25/25 12:21	04/28/25 20:56	1
N-Nitrosodi-n-propylamine	ND		9.7	0.32	ug/L		04/25/25 12:21	04/28/25 20:56	1

Client Sample ID: MW25-ROX-041825-DUP
Date Collected: 04/18/25 10:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		04/25/25 12:21	04/28/25 20:56	1
Pentachlorophenol	ND		9.7	2.7	ug/L		04/25/25 12:21	04/28/25 20:56	1
Pyridine	ND		9.7	0.62	ug/L		04/25/25 12:21	04/28/25 20:56	1
Quinoline	ND		9.7	0.49	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4,5-Trichlorophenol	ND		9.7	0.52	ug/L		04/25/25 12:21	04/28/25 20:56	1
2,4,6-Trichlorophenol	ND		9.7	1.1	ug/L		04/25/25 12:21	04/28/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
2-Fluorobiphenyl	*80*		*15 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
2-Fluorophenol	*130*		*10 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
Phenol-d5	*151*	*S1+*	*10 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/25/25 12:21*	*04/28/25 20:56*	*1*
2,4,6-Tribromophenol	*75*		*10 - 150*	*04/25/25 12:21*	*04/28/25 20:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**670**		190	13	ug/L		04/25/25 12:21	05/01/25 19:43	20

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/28/25 10:01	04/28/25 15:17	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*69*	*p*	*51 - 149*	*04/28/25 10:01*	*04/28/25 15:17*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: MW7-ROX-041825
Date Collected: 04/18/25 12:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	25000	10000	ug/L			05/02/25 17:45	1000
Acrolein	ND	UJ	20000	3300	ug/L			05/02/25 17:45	1000
Acrylonitrile	ND	UJ	10000	2800	ug/L			05/02/25 17:45	1000
Bromobenzene	ND	UJ	1000	540	ug/L			05/02/25 17:45	1000
Bromochloromethane	ND	UJ	1000	520	ug/L			05/02/25 17:45	1000
Bromodichloromethane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
Bromoform	ND	UJ	5000	250	ug/L			05/02/25 17:45	1000
Bromomethane	ND	UJ	1000	980	ug/L			05/02/25 17:45	1000
2-Butanone (MEK)	ND	UJ	25000	2600	ug/L			05/02/25 17:45	1000
Carbon disulfide	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
Carbon tetrachloride	ND	UJ	1000	190	ug/L			05/02/25 17:45	1000
Chlorobenzene	ND	UJ	1000	420	ug/L			05/02/25 17:45	1000
Chloroethane	ND	UJ	1000	760	ug/L			05/02/25 17:45	1000
2-Chloroethyl vinyl ether	ND	UJ	5000	2000	ug/L			05/02/25 17:45	1000
Chloroform	ND	UJ	1000	900	ug/L			05/02/25 17:45	1000
1-Chlorohexane	ND	UJ	1000	320	ug/L			05/02/25 17:45	1000
Chloromethane	ND	UJ	1000	400	ug/L			05/02/25 17:45	1000
cis-1,2-Dichloroethene	ND	UJ	1000	200	ug/L			05/02/25 17:45	1000
cis-1,3-Dichloropropene	ND	UJ	5000	500	ug/L			05/02/25 17:45	1000
Dibromochloromethane	ND	UJ	1000	240	ug/L			05/02/25 17:45	1000
1,2-Dichlorobenzene	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
1,3-Dichlorobenzene	ND	UJ	1000	540	ug/L			05/02/25 17:45	1000
1,4-Dichlorobenzene	ND	UJ	1000	640	ug/L			05/02/25 17:45	1000
Dichlorodifluoromethane	ND	UJ	1000	850	ug/L			05/02/25 17:45	1000
1,1-Dichloroethane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
1,2-Dichloroethane	ND	UJ	1000	550	ug/L			05/02/25 17:45	1000
1,1-Dichloroethene	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
1,2-Dichloropropane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
1,3-Dichloropropane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
2,2-Dichloropropane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
1,1-Dichloropropene	ND	UJ	1000	90	ug/L			05/02/25 17:45	1000
Ethylbenzene	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
Ethyl methacrylate	ND	UJ	1000	600	ug/L			05/02/25 17:45	1000
Hexachlorobutadiene	ND	UJ	5000	900	ug/L			05/02/25 17:45	1000
2-Hexanone	ND	UJ	25000	4300	ug/L			05/02/25 17:45	1000
Isopropylbenzene	ND	UJ	1000	530	ug/L			05/02/25 17:45	1000
Methylene bromide	ND	UJ	5000	220	ug/L			05/02/25 17:45	1000
Methylene Chloride	ND	UJ	5000	3000	ug/L			05/02/25 17:45	1000
4-Methyl-2-pentanone (MIBK)	ND	UJ	25000	1800	ug/L			05/02/25 17:45	1000
Methyl tert-butyl ether	ND	UJ	1000	220	ug/L			05/02/25 17:45	1000
m-Xylene & p-Xylene	ND	UJ	5000	3000	ug/L			05/02/25 17:45	1000
Naphthalene	ND	UJ	5000	3000	ug/L			05/02/25 17:45	1000
n-Butylbenzene	ND	UJ	1000	760	ug/L			05/02/25 17:45	1000
N-Propylbenzene	ND	UJ	1000	690	ug/L			05/02/25 17:45	1000
o-Chlorotoluene	ND	UJ	1000	570	ug/L			05/02/25 17:45	1000
o-Xylene	ND	UJ	5000	3000	ug/L			05/02/25 17:45	1000
p-Chlorotoluene	ND	UJ	1000	560	ug/L			05/02/25 17:45	1000
p-Isopropyltoluene	ND	UJ	1000	710	ug/L			05/02/25 17:45	1000
sec-Butylbenzene	ND	UJ	1000	700	ug/L			05/02/25 17:45	1000

Client Sample ID: MW7-ROX-041825

Date Collected: 04/18/25 12:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	UJ	1000	1000	ug/L			05/02/25 17:45	1000
tert-Butylbenzene	ND	UJ	1000	630	ug/L			05/02/25 17:45	1000
1,1,1,2-Tetrachloroethane	ND	UJ	1000	380	ug/L			05/02/25 17:45	1000
1,1,2,2-Tetrachloroethane	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
Tetrachloroethene	ND	UJ	1000	330	ug/L			05/02/25 17:45	1000
Toluene	ND	UJ	1000	900	ug/L			05/02/25 17:45	1000
trans-1,2-Dichloroethene	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
trans-1,3-Dichloropropene	ND	UJ	5000	200	ug/L			05/02/25 17:45	1000
1,2,3-Trichlorobenzene	ND	UJ	1000	900	ug/L			05/02/25 17:45	1000
1,2,4-Trichlorobenzene	ND	UJ	1000	820	ug/L			05/02/25 17:45	1000
1,1,1-Trichloroethane	ND	UJ	1000	180	ug/L			05/02/25 17:45	1000
1,1,2-Trichloroethane	ND	UJ	5000	210	ug/L			05/02/25 17:45	1000
Trichloroethene	ND	UJ	1000	150	ug/L			05/02/25 17:45	1000
Trichlorofluoromethane	ND	UJ	1000	250	ug/L			05/02/25 17:45	1000
1,2,3-Trichloropropane	ND	UJ	5000	840	ug/L			05/02/25 17:45	1000
1,2,4-Trimethylbenzene	ND	UJ	1000	820	ug/L			05/02/25 17:45	1000
1,3,5-Trimethylbenzene	ND	UJ	1000	560	ug/L			05/02/25 17:45	1000
Vinyl acetate	ND	UJ	25000	930	ug/L			05/02/25 17:45	1000
Vinyl chloride	ND	UJ	1000	500	ug/L			05/02/25 17:45	1000
Xylenes, Total	ND	UJ	10000	6000	ug/L			05/02/25 17:45	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*05/02/25 17:45*	*1000*
Dibromofluoromethane	*108*		*79 - 130*		*05/02/25 17:45*	*1000*
Toluene-d8 (Surr)	*94*		*64 - 132*		*05/02/25 17:45*	*1000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**400000**		5000	2500	ug/L			05/02/25 19:05	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*05/02/25 19:05*	*5000*
Dibromofluoromethane	*113*		*79 - 130*		*05/02/25 19:05*	*5000*
Toluene-d8 (Surr)	*91*		*64 - 132*		*05/02/25 19:05*	*5000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.36**		0.20	0.083	ug/L		04/25/25 12:21	04/28/25 21:26	1
Aniline	**1.3**	**J**	9.8	0.72	ug/L		04/25/25 12:21	04/28/25 21:26	1
Acenaphthylene	**0.063**	**J**	0.20	0.046	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzenethiol	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 21:26	1
Anthracene	ND		0.20	0.071	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzoic acid	**77**	J	29	26	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzyl alcohol	ND	*-UJ	9.8	1.8	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 21:26	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/25/25 12:21	04/28/25 21:26	1
Bis(2-chloroethyl)ether	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/25/25 12:21	04/28/25 21:26	1

Client Sample ID: MW7-ROX-041825
Date Collected: 04/18/25 12:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 21:26	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 21:26	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/25/25 12:21	04/28/25 21:26	1
Chrysene	ND		0.20	0.038	ug/L		04/25/25 12:21	04/28/25 21:26	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Chloroaniline	ND		9.8	0.27	ug/L		04/25/25 12:21	04/28/25 21:26	1
Fluoranthene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Chloro-3-methylphenol	ND		9.8	0.71	ug/L		04/25/25 12:21	04/28/25 21:26	1
Fluorene	**0.32**		0.20	0.085	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Chlorophenol	ND		9.8	0.82	ug/L		04/25/25 12:21	04/28/25 21:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 21:26	1
1-Methylnaphthalene	**4.1**	**B**	0.20	0.064	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Chlorophenyl phenyl ether	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Methylnaphthalene	**4.1**	**B**	0.20	0.075	ug/L		04/25/25 12:21	04/28/25 21:26	1
Dibenz[a,h]acridine	ND		9.8	0.67	ug/L		04/25/25 12:21	04/28/25 21:26	1
Dibenzofuran	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 21:26	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 21:26	1
Phenanthrene	**0.86**		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/25/25 12:21	04/28/25 21:26	1
Pyrene	ND		0.20	0.093	ug/L		04/25/25 12:21	04/28/25 21:26	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4-Dimethylphenol	ND		9.8	0.23	ug/L		04/25/25 12:21	04/28/25 21:26	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.8	1.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4-Dinitrophenol	ND	UJ	29	4.6	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,6-Dinitrotoluene	ND		9.8	0.28	ug/L		04/25/25 12:21	04/28/25 21:26	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 21:26	1
1,4-Dioxane	ND		9.8	4.2	ug/L		04/25/25 12:21	04/28/25 21:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 21:26	1
Hexachlorobenzene	ND		9.8	0.24	ug/L		04/25/25 12:21	04/28/25 21:26	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/25/25 12:21	04/28/25 21:26	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/25/25 12:21	04/28/25 21:26	1
Indene	ND		9.8	0.43	ug/L		04/25/25 12:21	04/28/25 21:26	1
Isophorone	ND		9.8	0.78	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Methylphenol	ND		9.8	0.74	ug/L		04/25/25 12:21	04/28/25 21:26	1
3 & 4 Methylphenol	**14**	**J I**	20	4.5	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/25/25 12:21	04/28/25 21:26	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Nitroaniline	ND		9.8	3.4	ug/L		04/25/25 12:21	04/28/25 21:26	1
Nitrobenzene	**1.0**	**J**	9.8	0.59	ug/L		04/25/25 12:21	04/28/25 21:26	1
2-Nitrophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 21:26	1
4-Nitrophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 21:26	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		04/25/25 12:21	04/28/25 21:26	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/25/25 12:21	04/28/25 21:26	1

Client Sample ID: MW7-ROX-041825
Date Collected: 04/18/25 12:35
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/25/25 12:21	04/28/25 21:26	1
Pentachlorophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 21:26	1
Pyridine	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 21:26	1
Quinoline	ND		9.8	0.49	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/25/25 12:21	04/28/25 21:26	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
2-Fluorobiphenyl	*77*		*15 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
2-Fluorophenol	*127*		*10 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
Nitrobenzene-d5	*95*		*50 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
Phenol-d5	*156*	*S1+*	*10 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
Terphenyl-d14	*73*		*43 - 147*	*04/25/25 12:21*	*04/28/25 21:26*	*1*
2,4,6-Tribromophenol	*81*		*10 - 150*	*04/25/25 12:21*	*04/28/25 21:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**180**		98	6.6	ug/L		04/25/25 12:21	05/01/25 20:14	10

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/28/25 10:01	04/28/25 15:39	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*51 - 149*	*04/28/25 10:01*	*04/28/25 15:39*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: TB-ROX-041825-8260-B
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*05/01/25 19:21*	*1*
Dibromofluoromethane	*104*		*79 - 130*		*05/01/25 19:21*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/01/25 19:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			05/02/25 21:47	1
Acrolein	ND		20	3.3	ug/L			05/02/25 21:47	1
Acrylonitrile	ND		10	2.8	ug/L			05/02/25 21:47	1
Benzene	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Bromobenzene	ND		1.0	0.54	ug/L			05/02/25 21:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/02/25 21:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Bromoform	ND		5.0	0.25	ug/L			05/02/25 21:47	1
Bromomethane	ND		1.0	0.98	ug/L			05/02/25 21:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/02/25 21:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/02/25 21:47	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/02/25 21:47	1
Chloroethane	ND		1.0	0.76	ug/L			05/02/25 21:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/02/25 21:47	1
Chloroform	ND		1.0	0.90	ug/L			05/02/25 21:47	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/02/25 21:47	1
Chloromethane	ND		1.0	0.40	ug/L			05/02/25 21:47	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/02/25 21:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/02/25 21:47	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/02/25 21:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/02/25 21:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/02/25 21:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/02/25 21:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/02/25 21:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/02/25 21:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 21:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/02/25 21:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/02/25 21:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/02/25 21:47	1
2-Hexanone	ND		25	4.3	ug/L			05/02/25 21:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/02/25 21:47	1
Methylene bromide	ND		5.0	0.22	ug/L			05/02/25 21:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/02/25 21:47	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/02/25 21:47	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/02/25 21:47	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: TB-ROX-041825-8260-B
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	3.0	ug/L			05/02/25 21:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/02/25 21:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/02/25 21:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/02/25 21:47	1
o-Xylene	ND		5.0	3.0	ug/L			05/02/25 21:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/02/25 21:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/02/25 21:47	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/02/25 21:47	1
Styrene	ND		1.0	1.0	ug/L			05/02/25 21:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/02/25 21:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/02/25 21:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/02/25 21:47	1
Toluene	ND		1.0	0.90	ug/L			05/02/25 21:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 21:47	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/02/25 21:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/02/25 21:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/02/25 21:47	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/02/25 21:47	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/02/25 21:47	1
Trichloroethene	ND		1.0	0.15	ug/L			05/02/25 21:47	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/02/25 21:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/02/25 21:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/02/25 21:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/02/25 21:47	1
Vinyl acetate	ND		25	0.93	ug/L			05/02/25 21:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/02/25 21:47	1
Xylenes, Total	ND		10	6.0	ug/L			05/02/25 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*05/02/25 21:47*	*1*
Dibromofluoromethane	*116*		*79 - 130*		*05/02/25 21:47*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*05/02/25 21:47*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: TB-ROX-041825-8011-B
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-9
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/28/25 10:01	04/28/25 16:01	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*51 - 149*	*04/28/25 10:01*	*04/28/25 16:01*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P74-ROX-041825
Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-10
Matrix: Water

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			05/01/25 21:09	10
Acrolein	ND		200	33	ug/L			05/01/25 21:09	10
Acrylonitrile	ND		100	28	ug/L			05/01/25 21:09	10
Benzene	**1900**		10	5.0	ug/L			05/01/25 21:09	10
Bromobenzene	ND		10	5.4	ug/L			05/01/25 21:09	10
Bromochloromethane	ND		10	5.2	ug/L			05/01/25 21:09	10
Bromodichloromethane	ND		10	5.0	ug/L			05/01/25 21:09	10
Bromoform	ND		50	2.5	ug/L			05/01/25 21:09	10
Bromomethane	ND		10	9.8	ug/L			05/01/25 21:09	10
2-Butanone (MEK)	ND		250	26	ug/L			05/01/25 21:09	10
Carbon disulfide	ND		10	5.0	ug/L			05/01/25 21:09	10
Carbon tetrachloride	ND		10	1.9	ug/L			05/01/25 21:09	10
Chlorobenzene	ND		10	4.2	ug/L			05/01/25 21:09	10
Chloroethane	ND		10	7.6	ug/L			05/01/25 21:09	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			05/01/25 21:09	10
Chloroform	ND		10	9.0	ug/L			05/01/25 21:09	10
1-Chlorohexane	ND		10	3.2	ug/L			05/01/25 21:09	10
Chloromethane	ND		10	4.0	ug/L			05/01/25 21:09	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			05/01/25 21:09	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			05/01/25 21:09	10
Dibromochloromethane	ND		10	2.4	ug/L			05/01/25 21:09	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			05/01/25 21:09	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			05/01/25 21:09	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			05/01/25 21:09	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			05/01/25 21:09	10
1,1-Dichloroethane	ND		10	5.0	ug/L			05/01/25 21:09	10
1,2-Dichloroethane	ND		10	5.5	ug/L			05/01/25 21:09	10
1,1-Dichloroethene	ND		10	5.0	ug/L			05/01/25 21:09	10
1,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 21:09	10
1,3-Dichloropropane	ND		10	5.0	ug/L			05/01/25 21:09	10
2,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 21:09	10
1,1-Dichloropropene	ND		10	0.90	ug/L			05/01/25 21:09	10
Ethylbenzene	**10**		10	5.0	ug/L			05/01/25 21:09	10
Ethyl methacrylate	ND		10	6.0	ug/L			05/01/25 21:09	10
Hexachlorobutadiene	ND		50	9.0	ug/L			05/01/25 21:09	10
2-Hexanone	ND		250	43	ug/L			05/01/25 21:09	10
Isopropylbenzene	ND		10	5.3	ug/L			05/01/25 21:09	10
Methylene bromide	ND		50	2.2	ug/L			05/01/25 21:09	10
Methylene Chloride	ND		50	30	ug/L			05/01/25 21:09	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			05/01/25 21:09	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			05/01/25 21:09	10
m-Xylene & p-Xylene	**42**	**J**	50	30	ug/L			05/01/25 21:09	10
Naphthalene	ND		50	30	ug/L			05/01/25 21:09	10
n-Butylbenzene	ND		10	7.6	ug/L			05/01/25 21:09	10
N-Propylbenzene	ND		10	6.9	ug/L			05/01/25 21:09	10
o-Chlorotoluene	ND		10	5.7	ug/L			05/01/25 21:09	10
o-Xylene	ND		50	30	ug/L			05/01/25 21:09	10
p-Chlorotoluene	ND		10	5.6	ug/L			05/01/25 21:09	10
p-Isopropyltoluene	ND		10	7.1	ug/L			05/01/25 21:09	10

Client Sample ID: P74-ROX-041825
Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-10
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		10	7.0	ug/L			05/01/25 21:09	10
Styrene	ND		10	10	ug/L			05/01/25 21:09	10
tert-Butylbenzene	ND		10	6.3	ug/L			05/01/25 21:09	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			05/01/25 21:09	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			05/01/25 21:09	10
Tetrachloroethene	ND		10	3.3	ug/L			05/01/25 21:09	10
Toluene	**18**		10	9.0	ug/L			05/01/25 21:09	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			05/01/25 21:09	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			05/01/25 21:09	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			05/01/25 21:09	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			05/01/25 21:09	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			05/01/25 21:09	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			05/01/25 21:09	10
Trichloroethene	ND		10	1.5	ug/L			05/01/25 21:09	10
Trichlorofluoromethane	ND		10	2.5	ug/L			05/01/25 21:09	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			05/01/25 21:09	10
1,2,4-Trimethylbenzene	**8.5**	**J**	10	8.2	ug/L			05/01/25 21:09	10
1,3,5-Trimethylbenzene	ND		10	5.6	ug/L			05/01/25 21:09	10
Vinyl acetate	ND		250	9.3	ug/L			05/01/25 21:09	10
Vinyl chloride	ND		10	5.0	ug/L			05/01/25 21:09	10
Xylenes, Total	ND		100	60	ug/L			05/01/25 21:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/01/25 21:09*	*10*
Dibromofluoromethane	*107*		*79 - 130*		*05/01/25 21:09*	*10*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/01/25 21:09*	*10*

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		04/25/25 12:21	04/28/25 21:56	1
Aniline	**5.9**	**J**	10	0.74	ug/L		04/25/25 12:21	04/28/25 21:56	1
Acenaphthylene	**0.095**	**J**	0.20	0.047	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzenethiol	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 21:56	1
Anthracene	ND		0.20	0.073	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzoic acid	**49**	J	30	27	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/25/25 12:21	04/28/25 21:56	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/25/25 12:21	04/28/25 21:56	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/25/25 12:21	04/28/25 21:56	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 21:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 21:56	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/25/25 12:21	04/28/25 21:56	1
Chrysene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 21:56	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Chloroaniline	ND		10	0.28	ug/L		04/25/25 12:21	04/28/25 21:56	1

Client Sample ID: P74-ROX-041825

Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 21:56	1
Fluorene	ND		0.20	0.087	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Chlorophenol	ND		10	0.84	ug/L		04/25/25 12:21	04/28/25 21:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 21:56	1
1-Methylnaphthalene	**0.70**	**B**	0.20	0.066	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Methylnaphthalene	~~0.59~~	~~B~~ U	0.59 ~~0.20~~	0.077	ug/L		04/25/25 12:21	04/28/25 21:56	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/25/25 12:21	04/28/25 21:56	1
Dibenzofuran	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 21:56	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/25/25 12:21	04/28/25 21:56	1
Phenanthrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/25/25 12:21	04/28/25 21:56	1
Pyrene	ND		0.20	0.095	ug/L		04/25/25 12:21	04/28/25 21:56	1
Diethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 21:56	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
4,6-Dinitro-ortho-cresol	ND	UJ	10	2.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4-Dinitrophenol	ND	UJ	30	4.7	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/25/25 12:21	04/28/25 21:56	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
1,4-Dioxane	ND		10	4.3	ug/L		04/25/25 12:21	04/28/25 21:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 21:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/25/25 12:21	04/28/25 21:56	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 21:56	1
Hexachloroethane	ND		10	0.53	ug/L		04/25/25 12:21	04/28/25 21:56	1
Indene	ND		10	0.44	ug/L		04/25/25 12:21	04/28/25 21:56	1
Isophorone	ND		10	0.80	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Methylphenol	**1.5**	**J**	10	0.76	ug/L		04/25/25 12:21	04/28/25 21:56	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Nitroaniline	ND		10	1.4	ug/L		04/25/25 12:21	04/28/25 21:56	1
3-Nitroaniline	ND		10	0.95	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Nitroaniline	ND		10	3.5	ug/L		04/25/25 12:21	04/28/25 21:56	1
Nitrobenzene	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 21:56	1
2-Nitrophenol	ND		10	1.2	ug/L		04/25/25 12:21	04/28/25 21:56	1
4-Nitrophenol	ND		10	2.7	ug/L		04/25/25 12:21	04/28/25 21:56	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/25/25 12:21	04/28/25 21:56	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/25/25 12:21	04/28/25 21:56	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/25/25 12:21	04/28/25 21:56	1
Pentachlorophenol	ND		10	2.8	ug/L		04/25/25 12:21	04/28/25 21:56	1
Pyridine	ND		10	3.0	ug/L		04/25/25 12:21	04/28/25 21:56	1
Quinoline	ND		10	0.50	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/25/25 12:21	04/28/25 21:56	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/25/25 12:21	04/28/25 21:56	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P74-ROX-041825
Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
Nitrobenzene-d5	*98*		*50 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
Terphenyl-d14	*52*		*43 - 147*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
2-Fluorophenol	*131*		*10 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
Nitrobenzene-d5	*98*		*50 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
Phenol-d5	*165*	*S1+*	*10 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
Terphenyl-d14	*52*		*43 - 147*	*04/25/25 12:21*	*04/28/25 21:56*	*1*
2,4,6-Tribromophenol	*68*		*10 - 150*	*04/25/25 12:21*	*04/28/25 21:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**690**		200	14	ug/L		04/25/25 12:21	05/01/25 20:45	20

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/28/25 10:01	04/28/25 16:44	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*67*		*51 - 149*	*04/28/25 10:01*	*04/28/25 16:44*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P74-ROX-041825-DUP

Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-11

Matrix: Water

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			05/02/25 22:41	10
Acrolein	ND		200	33	ug/L			05/02/25 22:41	10
Acrylonitrile	ND		100	28	ug/L			05/02/25 22:41	10
Benzene	**1900**		10	5.0	ug/L			05/02/25 22:41	10
Bromobenzene	ND		10	5.4	ug/L			05/02/25 22:41	10
Bromochloromethane	ND		10	5.2	ug/L			05/02/25 22:41	10
Bromodichloromethane	ND		10	5.0	ug/L			05/02/25 22:41	10
Bromoform	ND		50	2.5	ug/L			05/02/25 22:41	10
Bromomethane	ND		10	9.8	ug/L			05/02/25 22:41	10
2-Butanone (MEK)	ND		250	26	ug/L			05/02/25 22:41	10
Carbon disulfide	ND		10	5.0	ug/L			05/02/25 22:41	10
Carbon tetrachloride	ND		10	1.9	ug/L			05/02/25 22:41	10
Chlorobenzene	ND		10	4.2	ug/L			05/02/25 22:41	10
Chloroethane	ND		10	7.6	ug/L			05/02/25 22:41	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			05/02/25 22:41	10
Chloroform	ND		10	9.0	ug/L			05/02/25 22:41	10
1-Chlorohexane	ND		10	3.2	ug/L			05/02/25 22:41	10
Chloromethane	ND	UJ	10	4.0	ug/L			05/02/25 22:41	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			05/02/25 22:41	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			05/02/25 22:41	10
Dibromochloromethane	ND		10	2.4	ug/L			05/02/25 22:41	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			05/02/25 22:41	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			05/02/25 22:41	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			05/02/25 22:41	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			05/02/25 22:41	10
1,1-Dichloroethane	ND		10	5.0	ug/L			05/02/25 22:41	10
1,2-Dichloroethane	ND		10	5.5	ug/L			05/02/25 22:41	10
1,1-Dichloroethene	ND		10	5.0	ug/L			05/02/25 22:41	10
1,2-Dichloropropane	ND		10	5.0	ug/L			05/02/25 22:41	10
1,3-Dichloropropane	ND		10	5.0	ug/L			05/02/25 22:41	10
2,2-Dichloropropane	ND		10	5.0	ug/L			05/02/25 22:41	10
1,1-Dichloropropene	ND		10	0.90	ug/L			05/02/25 22:41	10
Ethylbenzene	**10**		10	5.0	ug/L			05/02/25 22:41	10
Ethyl methacrylate	ND		10	6.0	ug/L			05/02/25 22:41	10
Hexachlorobutadiene	ND		50	9.0	ug/L			05/02/25 22:41	10
2-Hexanone	ND		250	43	ug/L			05/02/25 22:41	10
Isopropylbenzene	ND		10	5.3	ug/L			05/02/25 22:41	10
Methylene bromide	ND		50	2.2	ug/L			05/02/25 22:41	10
Methylene Chloride	ND		50	30	ug/L			05/02/25 22:41	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			05/02/25 22:41	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			05/02/25 22:41	10
m-Xylene & p-Xylene	**35**	**J**	50	30	ug/L			05/02/25 22:41	10
Naphthalene	ND		50	30	ug/L			05/02/25 22:41	10
n-Butylbenzene	ND		10	7.6	ug/L			05/02/25 22:41	10
N-Propylbenzene	ND		10	6.9	ug/L			05/02/25 22:41	10
o-Chlorotoluene	ND		10	5.7	ug/L			05/02/25 22:41	10
o-Xylene	ND		50	30	ug/L			05/02/25 22:41	10
p-Chlorotoluene	ND		10	5.6	ug/L			05/02/25 22:41	10
p-Isopropyltoluene	ND		10	7.1	ug/L			05/02/25 22:41	10

Client Sample ID: P74-ROX-041825-DUP
Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-11
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		10	7.0	ug/L			05/02/25 22:41	10
Styrene	ND		10	10	ug/L			05/02/25 22:41	10
tert-Butylbenzene	ND		10	6.3	ug/L			05/02/25 22:41	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			05/02/25 22:41	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			05/02/25 22:41	10
Tetrachloroethene	ND		10	3.3	ug/L			05/02/25 22:41	10
Toluene	**19**		10	9.0	ug/L			05/02/25 22:41	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			05/02/25 22:41	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			05/02/25 22:41	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			05/02/25 22:41	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			05/02/25 22:41	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			05/02/25 22:41	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			05/02/25 22:41	10
Trichloroethene	ND		10	1.5	ug/L			05/02/25 22:41	10
Trichlorofluoromethane	ND		10	2.5	ug/L			05/02/25 22:41	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			05/02/25 22:41	10
1,2,4-Trimethylbenzene	ND		10	8.2	ug/L			05/02/25 22:41	10
1,3,5-Trimethylbenzene	ND		10	5.6	ug/L			05/02/25 22:41	10
Vinyl acetate	ND		250	9.3	ug/L			05/02/25 22:41	10
Vinyl chloride	ND		10	5.0	ug/L			05/02/25 22:41	10
Xylenes, Total	ND		100	60	ug/L			05/02/25 22:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 22:41*	*10*
Dibromofluoromethane	*112*		*79 - 130*		*05/02/25 22:41*	*10*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/02/25 22:41*	*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		04/25/25 12:21	04/28/25 22:27	1
Aniline	**5.9**	J	9.9	0.74	ug/L		04/25/25 12:21	04/28/25 22:27	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzenethiol	ND		9.9	0.60	ug/L		04/25/25 12:21	04/28/25 22:27	1
Anthracene	ND		0.20	0.073	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzoic acid	**40**	J	30	27	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/25/25 12:21	04/28/25 22:27	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/25/25 12:21	04/28/25 22:27	1
Bis(2-chloroethyl)ether	ND		9.9	0.73	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/25/25 12:21	04/28/25 22:27	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		04/25/25 12:21	04/28/25 22:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 22:27	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/25/25 12:21	04/28/25 22:27	1
Chrysene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 22:27	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/25/25 12:21	04/28/25 22:27	1

Client Sample ID: P74-ROX-041825-DUP

Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Chloro-3-methylphenol	ND		9.9	0.73	ug/L		04/25/25 12:21	04/28/25 22:27	1
Fluorene	ND		0.20	0.086	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Chlorophenol	ND		9.9	0.83	ug/L		04/25/25 12:21	04/28/25 22:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 22:27	1
1-Methylnaphthalene	~~0.57~~ ~~B~~ U		0.57 ~~0.20~~	0.066	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Methylnaphthalene	~~0.43~~ ~~B~~ U		0.43 ~~0.20~~	0.076	ug/L		04/25/25 12:21	04/28/25 22:27	1
Dibenz[a,h]acridine	ND		9.9	0.69	ug/L		04/25/25 12:21	04/28/25 22:27	1
Dibenzofuran	ND		9.9	0.64	ug/L		04/25/25 12:21	04/28/25 22:27	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/25/25 12:21	04/28/25 22:27	1
Phenanthrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4-Dichlorophenol	ND		9.9	0.57	ug/L		04/25/25 12:21	04/28/25 22:27	1
Pyrene	ND		0.20	0.094	ug/L		04/25/25 12:21	04/28/25 22:27	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/25/25 12:21	04/28/25 22:27	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	2.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4-Dinitrophenol	ND	UJ	30	4.6	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4-Dinitrotoluene	ND		9.9	0.65	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/25/25 12:21	04/28/25 22:27	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
1,4-Dioxane	ND		9.9	4.3	ug/L		04/25/25 12:21	04/28/25 22:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		04/25/25 12:21	04/28/25 22:27	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/25/25 12:21	04/28/25 22:27	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 22:27	1
Hexachloroethane	ND		9.9	0.53	ug/L		04/25/25 12:21	04/28/25 22:27	1
Indene	ND		9.9	0.44	ug/L		04/25/25 12:21	04/28/25 22:27	1
Isophorone	ND		9.9	0.79	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Methylphenol	1.5	J	9.9	0.75	ug/L		04/25/25 12:21	04/28/25 22:27	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/25/25 12:21	04/28/25 22:27	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Nitroaniline	ND		9.9	3.5	ug/L		04/25/25 12:21	04/28/25 22:27	1
Nitrobenzene	ND		9.9	0.60	ug/L		04/25/25 12:21	04/28/25 22:27	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/25/25 12:21	04/28/25 22:27	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/25/25 12:21	04/28/25 22:27	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		04/25/25 12:21	04/28/25 22:27	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/25/25 12:21	04/28/25 22:27	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/25/25 12:21	04/28/25 22:27	1
Pentachlorophenol	ND		9.9	2.8	ug/L		04/25/25 12:21	04/28/25 22:27	1
Pyridine	ND		9.9	3.0	ug/L		04/25/25 12:21	04/28/25 22:27	1
Quinoline	ND		9.9	0.50	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4,5-Trichlorophenol	ND		9.9	0.54	ug/L		04/25/25 12:21	04/28/25 22:27	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/25/25 12:21	04/28/25 22:27	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P74-ROX-041825-DUP
Date Collected: 04/18/25 10:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
Nitrobenzene-d5	*97*		*50 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
Terphenyl-d14	*49*		*43 - 147*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
2-Fluorophenol	*127*		*10 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
Nitrobenzene-d5	*97*		*50 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
Phenol-d5	*155*	*S1+*	*10 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
Terphenyl-d14	*49*		*43 - 147*	*04/25/25 12:21*	*04/28/25 22:27*	*1*
2,4,6-Tribromophenol	*76*		*10 - 150*	*04/25/25 12:21*	*04/28/25 22:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**640**		200	14	ug/L		04/25/25 12:21	05/01/25 21:16	20

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/28/25 10:01	04/28/25 17:05	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*67*		*51 - 149*	*04/28/25 10:01*	*04/28/25 17:05*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P58-ROX-041825
Date Collected: 04/18/25 11:20
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-12
Matrix: Water

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			05/02/25 23:08	1000
Acrolein	ND		20000	3300	ug/L			05/02/25 23:08	1000
Acrylonitrile	ND		10000	2800	ug/L			05/02/25 23:08	1000
Benzene	**200000**		1000	500	ug/L			05/02/25 23:08	1000
Bromobenzene	ND		1000	540	ug/L			05/02/25 23:08	1000
Bromochloromethane	ND		1000	520	ug/L			05/02/25 23:08	1000
Bromodichloromethane	ND		1000	500	ug/L			05/02/25 23:08	1000
Bromoform	ND		5000	250	ug/L			05/02/25 23:08	1000
Bromomethane	ND		1000	980	ug/L			05/02/25 23:08	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			05/02/25 23:08	1000
Carbon disulfide	ND		1000	500	ug/L			05/02/25 23:08	1000
Carbon tetrachloride	ND		1000	190	ug/L			05/02/25 23:08	1000
Chlorobenzene	ND		1000	420	ug/L			05/02/25 23:08	1000
Chloroethane	ND		1000	760	ug/L			05/02/25 23:08	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			05/02/25 23:08	1000
Chloroform	ND		1000	900	ug/L			05/02/25 23:08	1000
1-Chlorohexane	ND		1000	320	ug/L			05/02/25 23:08	1000
Chloromethane	ND	UJ	1000	400	ug/L			05/02/25 23:08	1000
cis-1,2-Dichloroethene	ND		1000	200	ug/L			05/02/25 23:08	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			05/02/25 23:08	1000
Dibromochloromethane	ND		1000	240	ug/L			05/02/25 23:08	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			05/02/25 23:08	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			05/02/25 23:08	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			05/02/25 23:08	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			05/02/25 23:08	1000
1,1-Dichloroethane	ND		1000	500	ug/L			05/02/25 23:08	1000
1,2-Dichloroethane	ND		1000	550	ug/L			05/02/25 23:08	1000
1,1-Dichloroethene	ND		1000	500	ug/L			05/02/25 23:08	1000
1,2-Dichloropropane	ND		1000	500	ug/L			05/02/25 23:08	1000
1,3-Dichloropropane	ND		1000	500	ug/L			05/02/25 23:08	1000
2,2-Dichloropropane	ND		1000	500	ug/L			05/02/25 23:08	1000
1,1-Dichloropropene	ND		1000	90	ug/L			05/02/25 23:08	1000
Ethylbenzene	ND		1000	500	ug/L			05/02/25 23:08	1000
Ethyl methacrylate	ND		1000	600	ug/L			05/02/25 23:08	1000
Hexachlorobutadiene	ND		5000	900	ug/L			05/02/25 23:08	1000
2-Hexanone	ND		25000	4300	ug/L			05/02/25 23:08	1000
Isopropylbenzene	ND		1000	530	ug/L			05/02/25 23:08	1000
Methylene bromide	ND		5000	220	ug/L			05/02/25 23:08	1000
Methylene Chloride	ND		5000	3000	ug/L			05/02/25 23:08	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			05/02/25 23:08	1000
Methyl tert-butyl ether	ND		1000	220	ug/L			05/02/25 23:08	1000
m-Xylene & p-Xylene	ND		5000	3000	ug/L			05/02/25 23:08	1000
Naphthalene	ND		5000	3000	ug/L			05/02/25 23:08	1000
n-Butylbenzene	ND		1000	760	ug/L			05/02/25 23:08	1000
N-Propylbenzene	ND		1000	690	ug/L			05/02/25 23:08	1000
o-Chlorotoluene	ND		1000	570	ug/L			05/02/25 23:08	1000
o-Xylene	ND		5000	3000	ug/L			05/02/25 23:08	1000
p-Chlorotoluene	ND		1000	560	ug/L			05/02/25 23:08	1000
p-Isopropyltoluene	ND		1000	710	ug/L			05/02/25 23:08	1000

Client Sample ID: P58-ROX-041825
Date Collected: 04/18/25 11:20
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-12
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		1000	700	ug/L			05/02/25 23:08	1000
Styrene	ND		1000	1000	ug/L			05/02/25 23:08	1000
tert-Butylbenzene	ND		1000	630	ug/L			05/02/25 23:08	1000
1,1,1,2-Tetrachloroethane	ND		1000	380	ug/L			05/02/25 23:08	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			05/02/25 23:08	1000
Tetrachloroethene	ND		1000	330	ug/L			05/02/25 23:08	1000
Toluene	ND		1000	900	ug/L			05/02/25 23:08	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			05/02/25 23:08	1000
trans-1,3-Dichloropropene	ND		5000	200	ug/L			05/02/25 23:08	1000
1,2,3-Trichlorobenzene	ND		1000	900	ug/L			05/02/25 23:08	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			05/02/25 23:08	1000
1,1,1-Trichloroethane	ND		1000	180	ug/L			05/02/25 23:08	1000
1,1,2-Trichloroethane	ND		5000	210	ug/L			05/02/25 23:08	1000
Trichloroethene	ND		1000	150	ug/L			05/02/25 23:08	1000
Trichlorofluoromethane	ND		1000	250	ug/L			05/02/25 23:08	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			05/02/25 23:08	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			05/02/25 23:08	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			05/02/25 23:08	1000
Vinyl acetate	ND		25000	930	ug/L			05/02/25 23:08	1000
Vinyl chloride	ND		1000	500	ug/L			05/02/25 23:08	1000
Xylenes, Total	ND		10000	6000	ug/L			05/02/25 23:08	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 23:08*	*1000*
Dibromofluoromethane	*111*		*79 - 130*		*05/02/25 23:08*	*1000*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 23:08*	*1000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.79**		0.20	0.084	ug/L		04/25/25 12:21	04/28/25 22:58	1
Aniline	**3.6**	**J**	9.9	0.73	ug/L		04/25/25 12:21	04/28/25 22:58	1
Acenaphthylene	**0.18**	**J**	0.20	0.046	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzenethiol	ND		9.9	0.59	ug/L		04/25/25 12:21	04/28/25 22:58	1
Anthracene	ND		0.20	0.072	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzoic acid	**65**	J	30	27	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzo[a]anthracene	**0.056**	**J**	0.20	0.039	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzyl alcohol	ND	*- UJ	9.9	1.8	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzo[a]pyrene	**0.051**	**J**	0.20	0.044	ug/L		04/25/25 12:21	04/28/25 22:58	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/25/25 12:21	04/28/25 22:58	1
Bis(2-chloroethyl)ether	ND		9.9	0.72	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/25/25 12:21	04/28/25 22:58	1
bis (2-chloroisopropyl) ether	ND		9.9	0.92	ug/L		04/25/25 12:21	04/28/25 22:58	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 22:58	1
Bis(2-ethylhexyl) phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/25/25 12:21	04/28/25 22:58	1
Chrysene	**0.086**	**J**	0.20	0.038	ug/L		04/25/25 12:21	04/28/25 22:58	1
Butyl benzyl phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/25/25 12:21	04/28/25 22:58	1

Client Sample ID: P58-ROX-041825
Date Collected: 04/18/25 11:20
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**0.049**	**J**	0.20	0.032	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Chloro-3-methylphenol	ND		9.9	0.72	ug/L		04/25/25 12:21	04/28/25 22:58	1
Fluorene	**1.2**		0.20	0.086	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Chlorophenol	ND		9.9	0.83	ug/L		04/25/25 12:21	04/28/25 22:58	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 22:58	1
1-Methylnaphthalene	**39**	**B**	0.20	0.065	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Methylnaphthalene	**34**	**B**	0.20	0.076	ug/L		04/25/25 12:21	04/28/25 22:58	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		04/25/25 12:21	04/28/25 22:58	1
Dibenzofuran	**1.5**	**J**	9.9	0.63	ug/L		04/25/25 12:21	04/28/25 22:58	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 22:58	1
Phenanthrene	**0.63**		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/25/25 12:21	04/28/25 22:58	1
Pyrene	**0.14**	**J**	0.20	0.094	ug/L		04/25/25 12:21	04/28/25 22:58	1
Diethyl phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4-Dimethylphenol	ND		9.9	0.24	ug/L		04/25/25 12:21	04/28/25 22:58	1
Dimethyl phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
Di-n-butyl phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.9	1.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4-Dinitrophenol	ND	UJ	30	4.6	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4-Dinitrotoluene	**0.94**	**J**	9.9	0.64	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/25/25 12:21	04/28/25 22:58	1
Di-n-octyl phthalate	ND		9.9	3.9	ug/L		04/25/25 12:21	04/28/25 22:58	1
1,4-Dioxane	ND		9.9	4.2	ug/L		04/25/25 12:21	04/28/25 22:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.92	ug/L		04/25/25 12:21	04/28/25 22:58	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/25/25 12:21	04/28/25 22:58	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 22:58	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/25/25 12:21	04/28/25 22:58	1
Indene	ND		9.9	0.43	ug/L		04/25/25 12:21	04/28/25 22:58	1
Isophorone	ND		9.9	0.79	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Methylphenol	ND		9.9	0.75	ug/L		04/25/25 12:21	04/28/25 22:58	1
3 & 4 Methylphenol	**39**		20	4.5	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/25/25 12:21	04/28/25 22:58	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Nitroaniline	ND		9.9	3.5	ug/L		04/25/25 12:21	04/28/25 22:58	1
Nitrobenzene	**5.7**	**J**	9.9	0.59	ug/L		04/25/25 12:21	04/28/25 22:58	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/25/25 12:21	04/28/25 22:58	1
4-Nitrophenol	ND		9.9	2.7	ug/L		04/25/25 12:21	04/28/25 22:58	1
N-Nitrosodimethylamine	ND		9.9	0.96	ug/L		04/25/25 12:21	04/28/25 22:58	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/25/25 12:21	04/28/25 22:58	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/25/25 12:21	04/28/25 22:58	1
Pentachlorophenol	ND		9.9	2.8	ug/L		04/25/25 12:21	04/28/25 22:58	1
Pyridine	ND		9.9	0.63	ug/L		04/25/25 12:21	04/28/25 22:58	1
Quinoline	ND		9.9	0.49	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/25/25 12:21	04/28/25 22:58	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/25/25 12:21	04/28/25 22:58	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Client Sample ID: P58-ROX-041825
Date Collected: 04/18/25 11:20
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274567-12
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
Terphenyl-d14	*60*		*43 - 147*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
2-Fluorophenol	*115*		*10 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
Nitrobenzene-d5	*102*		*50 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
Phenol-d5	*145*		*10 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
Terphenyl-d14	*60*		*43 - 147*	*04/25/25 12:21*	*04/28/25 22:58*	*1*
2,4,6-Tribromophenol	*43*		*10 - 150*	*04/25/25 12:21*	*04/28/25 22:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**440**		200	13	ug/L		04/25/25 12:21	05/01/25 21:47	20

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/28/25 10:01	04/28/25 17:27	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*51 - 149*	*04/28/25 10:01*	*04/28/25 17:27*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

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)
400-274567-1	TB-ROX-041825-8260-A	92	112	92
400-274567-3	MW4-ROX-041825-EB	90	112	92
400-274567-4	MW4-ROX-041825	92	110	93
400-274567-5	MW25-ROX-041825	93	100	94
400-274567-5 - DL	MW25-ROX-041825	92	112	92
400-274567-6	MW25-ROX-041825-DUP	92	102	93
400-274567-6 - DL	MW25-ROX-041825-DUP	92	111	92
400-274567-7	MW7-ROX-041825	93	108	94
400-274567-7 - DL	MW7-ROX-041825	93	113	91
400-274567-8	TB-ROX-041825-8260-B	90	104	93
400-274567-8 - RA	TB-ROX-041825-8260-B	91	116	91
400-274567-10	P74-ROX-041825	92	107	92
400-274567-11	P74-ROX-041825-DUP	92	112	93
400-274567-12	P58-ROX-041825	92	111	92
LCS 400-707737/1002	Lab Control Sample	91	108	93
LCS 400-707878/1002	Lab Control Sample	89	113	93
MB 400-707737/4	Method Blank	90	112	91
MB 400-707878/4	Method Blank	93	113	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274567-3	MW4-ROX-041825-EB	78	78	91	91	78	78	124	106
400-274567-4	MW4-ROX-041825	77	77	90	90	68	68	126	119
400-274567-5	MW25-ROX-041825	79	79	95	95	66	66	130	160 S1+
400-274567-6	MW25-ROX-041825-DUP	80	80	95	95	73	73	130	151 S1+
400-274567-7	MW7-ROX-041825	77	77	95	95	73	73	127	156 S1+
400-274567-10	P74-ROX-041825	79	79	98	98	52	52	131	165 S1+
400-274567-11	P74-ROX-041825-DUP	72	72	97	97	49	49	127	155 S1+
400-274567-12	P58-ROX-041825	76	76	102	102	60	60	115	145
LCS 400-707103/2-A	Lab Control Sample	71	71	86	86	67	67	112	108
LCS 400-707103/4-A	Lab Control Sample	75	75	89	89	73	73	122	115
LCSD 400-707103/3-A	Lab Control Sample Dup	70	70	84	84	65	65	109	105
LCSD 400-707103/5-A	Lab Control Sample Dup	80	80	94	94	81	81	125	103
MB 400-707103/1-A	Method Blank	79	79	94	94	77	77	138	129

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274567-3	MW4-ROX-041825-EB	95
400-274567-4	MW4-ROX-041825	93
400-274567-5	MW25-ROX-041825	92
400-274567-6	MW25-ROX-041825-DUP	75

Surrogate Summary

Client: AECOM
Job ID: 400-274567-1
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)
Lab Sample ID	Client Sample ID	TBP (10-150)
400-274567-7	MW7-ROX-041825	81
400-274567-10	P74-ROX-041825	68
400-274567-11	P74-ROX-041825-DUP	76
400-274567-12	P58-ROX-041825	43
LCS 400-707103/2-A	Lab Control Sample	100
LCS 400-707103/4-A	Lab Control Sample	93
LCSD 400-707103/3-A	Lab Control Sample Dup	92
LCSD 400-707103/5-A	Lab Control Sample Dup	100
MB 400-707103/1-A	Method Blank	107

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (51-149)
400-274567-2	TB-ROX-041825-8011-A	74
400-274567-3	MW4-ROX-041825-EB	74
400-274567-4	MW4-ROX-041825	77
400-274567-5	MW25-ROX-041825	80
400-274567-6	MW25-ROX-041825-DUP	69 p
400-274567-7	MW7-ROX-041825	109
400-274567-9	TB-ROX-041825-8011-B	76
400-274567-10	P74-ROX-041825	67
400-274567-11	P74-ROX-041825-DUP	67
400-274567-12	P58-ROX-041825	109
LCS 400-707269/2-A	Lab Control Sample	92
LCSD 400-707269/3-A	Lab Control Sample Dup	97
MB 400-707269/1-A	Method Blank	111

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041825-8260-A
Lab Sample ID: 400-274567-1
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707737	05/01/25 15:18	CAR	EET PEN

Client Sample ID: TB-ROX-041825-8011-A
Lab Sample ID: 400-274567-2
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.1 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 13:52	KR	EET PEN

Client Sample ID: MW4-ROX-041825-EB
Lab Sample ID: 400-274567-3
Date Collected: 04/18/25 08:30
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707737	05/01/25 15:45	CAR	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 19:24	KJA	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 19:24	KJA	EET PEN
Total/NA	Prep	8011			33.3 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 14:13	KR	EET PEN

Client Sample ID: MW4-ROX-041825
Lab Sample ID: 400-274567-4
Date Collected: 04/18/25 09:25
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707737	05/01/25 16:12	CAR	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707228	04/28/25 19:55	KJA	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707229	04/28/25 19:55	KJA	EET PEN
Total/NA	Prep	8011			34.1 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 14:35	KR	EET PEN

Client Sample ID: MW25-ROX-041825
Lab Sample ID: 400-274567-5
Date Collected: 04/18/25 10:35
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	5 mL	5 mL	707878	05/02/25 16:50	CAR	EET PEN
Total/NA	Analysis	8260D	DL	2000	5 mL	5 mL	707878	05/02/25 18:11	CAR	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 20:25	KJA	EET PEN

Client Sample ID: MW25-ROX-041825
Lab Sample ID: 400-274567-5
Date Collected: 04/18/25 10:35
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 20:25	KJA	EET PEN
Total/NA	Prep	3511	DL		30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			707703	05/01/25 19:12	KJA	EET PEN
Total/NA	Prep	8011			33.6 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 14:56	KR	EET PEN

Client Sample ID: MW25-ROX-041825-DUP
Lab Sample ID: 400-274567-6
Date Collected: 04/18/25 10:35
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	5 mL	5 mL	707878	05/02/25 17:17	CAR	EET PEN
Total/NA	Analysis	8260D	DL	2000	5 mL	5 mL	707878	05/02/25 18:38	CAR	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 20:56	KJA	EET PEN
Total/NA	Prep	3511			30.9 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 20:56	KJA	EET PEN
Total/NA	Prep	3511	DL		30.9 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			707703	05/01/25 19:43	KJA	EET PEN
Total/NA	Prep	8011			34 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 15:17	KR	EET PEN

Client Sample ID: MW7-ROX-041825
Lab Sample ID: 400-274567-7
Date Collected: 04/18/25 12:35
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1000	5 mL	5 mL	707878	05/02/25 17:45	CAR	EET PEN
Total/NA	Analysis	8260D	DL	5000	5 mL	5 mL	707878	05/02/25 19:05	CAR	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 21:26	KJA	EET PEN
Total/NA	Prep	3511			30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 21:26	KJA	EET PEN
Total/NA	Prep	3511	DL		30.7 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			707703	05/01/25 20:14	KJA	EET PEN
Total/NA	Prep	8011			34.1 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 15:39	KR	EET PEN

Client Sample ID: TB-ROX-041825-8260-B
Lab Sample ID: 400-274567-8
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707737	05/01/25 19:21	CAR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041825-8260-B
Lab Sample ID: 400-274567-8
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	707878	05/02/25 21:47	CAR	EET PEN

Client Sample ID: TB-ROX-041825-8011-B
Lab Sample ID: 400-274567-9
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			32.7 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 16:01	KR	EET PEN

Client Sample ID: P74-ROX-041825
Lab Sample ID: 400-274567-10
Date Collected: 04/18/25 10:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	707737	05/01/25 21:09	CAR	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707228	04/28/25 21:56	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707229	04/28/25 21:56	KJA	EET PEN
Total/NA	Prep	3511	DL		30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			707703	05/01/25 20:45	KJA	EET PEN
Total/NA	Prep	8011			33.8 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 16:44	KR	EET PEN

Client Sample ID: P74-ROX-041825-DUP
Lab Sample ID: 400-274567-11
Date Collected: 04/18/25 10:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	707878	05/02/25 22:41	CAR	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707228	04/28/25 22:27	KJA	EET PEN
Total/NA	Prep	3511			30.2 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	707229	04/28/25 22:27	KJA	EET PEN
Total/NA	Prep	3511	DL		30.2 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			707703	05/01/25 21:16	KJA	EET PEN
Total/NA	Prep	8011			34.1 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 17:05	KR	EET PEN

Client Sample ID: P58-ROX-041825
Lab Sample ID: 400-274567-12

Date Collected: 04/18/25 11:20
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1000	5 mL	5 mL	707878	05/02/25 23:08	CAR	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 22:58	KJA	EET PEN
Total/NA	Prep	3511			30.4 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 22:58	KJA	EET PEN
Total/NA	Prep	3511	DL		30.4 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	20			707703	05/01/25 21:47	KJA	EET PEN
Total/NA	Prep	8011			32.7 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 17:27	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707103/1-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 14:16	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 14:16	KJA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707269/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 12:48	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707737/4

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	707737	05/01/25 10:34	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707878/4

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	707878	05/02/25 15:29	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707103/2-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 14:47	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 14:47	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707103/4-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 18:23	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707269/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 13:10	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707737/1002
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	707737	05/01/25 09:21	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707878/1002
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	707878	05/02/25 14:21	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707103/3-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 15:18	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 15:18	KJA	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274567-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707103/5-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 18:53	KJA	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707269/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 13:31	KR	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 707737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-1	TB-ROX-041825-8260-A	Total/NA	Water	8260D	
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	8260D	
400-274567-4	MW4-ROX-041825	Total/NA	Water	8260D	
400-274567-8	TB-ROX-041825-8260-B	Total/NA	Water	8260D	
400-274567-10	P74-ROX-041825	Total/NA	Water	8260D	
MB 400-707737/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707737/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 707878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-5	MW25-ROX-041825	Total/NA	Water	8260D	
400-274567-5 - DL	MW25-ROX-041825	Total/NA	Water	8260D	
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	8260D	
400-274567-6 - DL	MW25-ROX-041825-DUP	Total/NA	Water	8260D	
400-274567-7	MW7-ROX-041825	Total/NA	Water	8260D	
400-274567-7 - DL	MW7-ROX-041825	Total/NA	Water	8260D	
400-274567-8 - RA	TB-ROX-041825-8260-B	Total/NA	Water	8260D	
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	8260D	
400-274567-12	P58-ROX-041825	Total/NA	Water	8260D	
MB 400-707878/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707878/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 707103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	3511	
400-274567-4	MW4-ROX-041825	Total/NA	Water	3511	
400-274567-5	MW25-ROX-041825	Total/NA	Water	3511	
400-274567-5 - DL	MW25-ROX-041825	Total/NA	Water	3511	
400-274567-6 - DL	MW25-ROX-041825-DUP	Total/NA	Water	3511	
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	3511	
400-274567-7 - DL	MW7-ROX-041825	Total/NA	Water	3511	
400-274567-7	MW7-ROX-041825	Total/NA	Water	3511	
400-274567-10 - DL	P74-ROX-041825	Total/NA	Water	3511	
400-274567-10	P74-ROX-041825	Total/NA	Water	3511	
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	3511	
400-274567-11 - DL	P74-ROX-041825-DUP	Total/NA	Water	3511	
400-274567-12 - DL	P58-ROX-041825	Total/NA	Water	3511	
400-274567-12	P58-ROX-041825	Total/NA	Water	3511	
MB 400-707103/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-707103/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-707103/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	8270E	707103
400-274567-4	MW4-ROX-041825	Total/NA	Water	8270E	707103
400-274567-5	MW25-ROX-041825	Total/NA	Water	8270E	707103

GC/MS Semi VOA (Continued)

Analysis Batch: 707228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-7	MW7-ROX-041825	Total/NA	Water	8270E	707103
400-274567-10	P74-ROX-041825	Total/NA	Water	8270E	707103
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-12	P58-ROX-041825	Total/NA	Water	8270E	707103
MB 400-707103/1-A	Method Blank	Total/NA	Water	8270E	707103
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103

Analysis Batch: 707229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	8270E	707103
400-274567-4	MW4-ROX-041825	Total/NA	Water	8270E	707103
400-274567-5	MW25-ROX-041825	Total/NA	Water	8270E	707103
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-7	MW7-ROX-041825	Total/NA	Water	8270E	707103
400-274567-10	P74-ROX-041825	Total/NA	Water	8270E	707103
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-12	P58-ROX-041825	Total/NA	Water	8270E	707103
MB 400-707103/1-A	Method Blank	Total/NA	Water	8270E	707103
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCS 400-707103/4-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103
LCSD 400-707103/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103

Analysis Batch: 707703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-5 - DL	MW25-ROX-041825	Total/NA	Water	8270E	707103
400-274567-6 - DL	MW25-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-7 - DL	MW7-ROX-041825	Total/NA	Water	8270E	707103
400-274567-10 - DL	P74-ROX-041825	Total/NA	Water	8270E	707103
400-274567-11 - DL	P74-ROX-041825-DUP	Total/NA	Water	8270E	707103
400-274567-12 - DL	P58-ROX-041825	Total/NA	Water	8270E	707103

GC Semi VOA

Prep Batch: 707269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-2	TB-ROX-041825-8011-A	Total/NA	Water	8011	
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	8011	
400-274567-4	MW4-ROX-041825	Total/NA	Water	8011	
400-274567-5	MW25-ROX-041825	Total/NA	Water	8011	
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	8011	
400-274567-7	MW7-ROX-041825	Total/NA	Water	8011	
400-274567-9	TB-ROX-041825-8011-B	Total/NA	Water	8011	
400-274567-10	P74-ROX-041825	Total/NA	Water	8011	
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	8011	
400-274567-12	P58-ROX-041825	Total/NA	Water	8011	
MB 400-707269/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-707269/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-707269/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

QC Association Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274567-1

GC Semi VOA

Analysis Batch: 707278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274567-2	TB-ROX-041825-8011-A	Total/NA	Water	8011	707269
400-274567-3	MW4-ROX-041825-EB	Total/NA	Water	8011	707269
400-274567-4	MW4-ROX-041825	Total/NA	Water	8011	707269
400-274567-5	MW25-ROX-041825	Total/NA	Water	8011	707269
400-274567-6	MW25-ROX-041825-DUP	Total/NA	Water	8011	707269
400-274567-7	MW7-ROX-041825	Total/NA	Water	8011	707269
400-274567-9	TB-ROX-041825-8011-B	Total/NA	Water	8011	707269
400-274567-10	P74-ROX-041825	Total/NA	Water	8011	707269
400-274567-11	P74-ROX-041825-DUP	Total/NA	Water	8011	707269
400-274567-12	P58-ROX-041825	Total/NA	Water	8011	707269
MB 400-707269/1-A	Method Blank	Total/NA	Water	8011	707269
LCS 400-707269/2-A	Lab Control Sample	Total/NA	Water	8011	707269
LCSD 400-707269/3-A	Lab Control Sample Dup	Total/NA	Water	8011	707269

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

Lab Sample ID: MB 400-707737/4
Matrix: Water
Analysis Batch: 707737

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			05/01/25 10:34	1
Acrolein	ND		20	3.3	ug/L			05/01/25 10:34	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/25 10:34	1
Benzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/25 10:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/25 10:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Bromoform	ND		5.0	0.25	ug/L			05/01/25 10:34	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/25 10:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/25 10:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/01/25 10:34	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/01/25 10:34	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/25 10:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/25 10:34	1
Chloroform	ND		1.0	0.90	ug/L			05/01/25 10:34	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/01/25 10:34	1
Chloromethane	ND		1.0	0.40	ug/L			05/01/25 10:34	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/01/25 10:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/25 10:34	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/01/25 10:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/25 10:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/25 10:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/25 10:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/01/25 10:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/01/25 10:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/25 10:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/25 10:34	1
2-Hexanone	ND		25	4.3	ug/L			05/01/25 10:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/25 10:34	1
Methylene bromide	ND		5.0	0.22	ug/L			05/01/25 10:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 10:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/25 10:34	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/01/25 10:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
Naphthalene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/25 10:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/25 10:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/25 10:34	1
o-Xylene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/25 10:34	1

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

Lab Sample ID: MB 400-707737/4
Matrix: Water
Analysis Batch: 707737

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/25 10:34	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/01/25 10:34	1
Styrene	ND		1.0	1.0	ug/L			05/01/25 10:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/25 10:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/01/25 10:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/01/25 10:34	1
Toluene	ND		1.0	0.90	ug/L			05/01/25 10:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/01/25 10:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/01/25 10:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/25 10:34	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/01/25 10:34	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/01/25 10:34	1
Trichloroethene	ND		1.0	0.15	ug/L			05/01/25 10:34	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/01/25 10:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/25 10:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/25 10:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/25 10:34	1
Vinyl acetate	ND		25	0.93	ug/L			05/01/25 10:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Xylenes, Total	ND		10	6.0	ug/L			05/01/25 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*05/01/25 10:34*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*05/01/25 10:34*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*05/01/25 10:34*	*1*

Lab Sample ID: LCS 400-707737/1002
Matrix: Water
Analysis Batch: 707737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	229		ug/L		115	43 - 150
Acrolein	500	542		ug/L		108	38 - 150
Acrylonitrile	500	606		ug/L		121	64 - 142
Benzene	50.0	54.8		ug/L		110	70 - 130
Bromobenzene	50.0	54.9		ug/L		110	70 - 132
Bromochloromethane	50.0	57.9		ug/L		116	70 - 130
Bromodichloromethane	50.0	54.0		ug/L		108	67 - 133
Bromoform	50.0	47.8		ug/L		96	57 - 140
Bromomethane	50.0	42.7		ug/L		85	10 - 150
2-Butanone (MEK)	200	195		ug/L		97	61 - 145
Carbon disulfide	50.0	56.7		ug/L		113	61 - 137
Carbon tetrachloride	50.0	56.8		ug/L		114	61 - 137
Chlorobenzene	50.0	51.3		ug/L		103	70 - 130
Chloroethane	50.0	54.5		ug/L		109	55 - 141
2-Chloroethyl vinyl ether	50.0	54.2		ug/L		108	10 - 150

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

Lab Sample ID: LCS 400-707737/1002
Matrix: Water
Analysis Batch: 707737

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	55.8		ug/L		112	69 - 130
1-Chlorohexane	50.0	54.5		ug/L		109	69 - 130
Chloromethane	50.0	51.1		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	58.7		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	69 - 132
Dibromochloromethane	50.0	50.6		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	53.1		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	54.1		ug/L		108	70 - 130
Dichlorodifluoromethane	50.0	37.3		ug/L		75	41 - 146
1,1-Dichloroethane	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.8		ug/L		120	69 - 130
1,1-Dichloroethene	50.0	54.2		ug/L		108	63 - 134
1,2-Dichloropropane	50.0	58.8		ug/L		118	70 - 130
1,3-Dichloropropane	50.0	49.3		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.4		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Ethyl methacrylate	50.0	45.4		ug/L		91	68 - 130
Hexachlorobutadiene	50.0	61.9		ug/L		124	53 - 140
2-Hexanone	200	217		ug/L		109	65 - 137
Isopropylbenzene	50.0	52.8		ug/L		106	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	56.7		ug/L		113	66 - 135
4-Methyl-2-pentanone (MIBK)	200	233		ug/L		117	69 - 138
Methyl tert-butyl ether	50.0	50.8		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.4		ug/L		101	70 - 130
Naphthalene	50.0	47.3		ug/L		95	47 - 149
n-Butylbenzene	50.0	46.8		ug/L		94	67 - 130
N-Propylbenzene	50.0	52.4		ug/L		105	70 - 130
o-Chlorotoluene	50.0	44.0		ug/L		88	70 - 130
o-Xylene	50.0	50.1		ug/L		100	70 - 130
p-Chlorotoluene	50.0	48.5		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	51.7		ug/L		103	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	51.5		ug/L		103	70 - 130
tert-Butylbenzene	50.0	47.9		ug/L		96	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.6		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/L		88	70 - 131
Tetrachloroethene	50.0	53.9		ug/L		108	65 - 130
Toluene	50.0	48.7		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	54.0		ug/L		108	70 - 130
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	55.4		ug/L		111	60 - 138
1,2,4-Trichlorobenzene	50.0	58.3		ug/L		117	60 - 140
1,1,1-Trichloroethane	50.0	54.3		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	70 - 130
Trichloroethene	50.0	59.0		ug/L		118	70 - 130
Trichlorofluoromethane	50.0	57.0		ug/L		114	65 - 138

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

Lab Sample ID: LCS 400-707737/1002
Matrix: Water
Analysis Batch: 707737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	45.2		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	69 - 130
Vinyl acetate	100	99.4		ug/L		99	26 - 150
Vinyl chloride	50.0	49.1		ug/L		98	59 - 136
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: MB 400-707878/4
Matrix: Water
Analysis Batch: 707878

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			05/02/25 15:29	1
Acrolein	ND		20	3.3	ug/L			05/02/25 15:29	1
Acrylonitrile	ND		10	2.8	ug/L			05/02/25 15:29	1
Benzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Bromobenzene	ND		1.0	0.54	ug/L			05/02/25 15:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/02/25 15:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Bromoform	ND		5.0	0.25	ug/L			05/02/25 15:29	1
Bromomethane	ND		1.0	0.98	ug/L			05/02/25 15:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/02/25 15:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/02/25 15:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/02/25 15:29	1
Chloroethane	ND		1.0	0.76	ug/L			05/02/25 15:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/02/25 15:29	1
Chloroform	ND		1.0	0.90	ug/L			05/02/25 15:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/02/25 15:29	1
Chloromethane	ND		1.0	0.40	ug/L			05/02/25 15:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/02/25 15:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/02/25 15:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/02/25 15:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/02/25 15:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/02/25 15:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/02/25 15:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/02/25 15:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1

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

Lab Sample ID: MB 400-707878/4
Matrix: Water
Analysis Batch: 707878

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			05/02/25 15:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/02/25 15:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/02/25 15:29	1
2-Hexanone	ND		25	4.3	ug/L			05/02/25 15:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/02/25 15:29	1
Methylene bromide	ND		5.0	0.22	ug/L			05/02/25 15:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/02/25 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/02/25 15:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/02/25 15:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
Naphthalene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/02/25 15:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/02/25 15:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/02/25 15:29	1
o-Xylene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/02/25 15:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/02/25 15:29	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/02/25 15:29	1
Styrene	ND		1.0	1.0	ug/L			05/02/25 15:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/02/25 15:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/02/25 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/02/25 15:29	1
Toluene	ND		1.0	0.90	ug/L			05/02/25 15:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/02/25 15:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/02/25 15:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/02/25 15:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/02/25 15:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/02/25 15:29	1
Trichloroethene	ND		1.0	0.15	ug/L			05/02/25 15:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/02/25 15:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/02/25 15:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/02/25 15:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/02/25 15:29	1
Vinyl acetate	ND		25	0.93	ug/L			05/02/25 15:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Xylenes, Total	ND		10	6.0	ug/L			05/02/25 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*05/02/25 15:29*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*05/02/25 15:29*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 15:29*	*1*

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

Lab Sample ID: LCS 400-707878/1002
Matrix: Water
Analysis Batch: 707878

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	254		ug/L		127	43 - 150
Acrolein	500	534		ug/L		107	38 - 150
Acrylonitrile	500	528		ug/L		106	64 - 142
Benzene	50.0	52.8		ug/L		106	70 - 130
Bromobenzene	50.0	54.0		ug/L		108	70 - 132
Bromochloromethane	50.0	57.3		ug/L		115	70 - 130
Bromodichloromethane	50.0	52.7		ug/L		105	67 - 133
Bromoform	50.0	44.8		ug/L		90	57 - 140
Bromomethane	50.0	43.0		ug/L		86	10 - 150
2-Butanone (MEK)	200	207		ug/L		104	61 - 145
Carbon disulfide	50.0	53.1		ug/L		106	61 - 137
Carbon tetrachloride	50.0	54.9		ug/L		110	61 - 137
Chlorobenzene	50.0	50.8		ug/L		102	70 - 130
Chloroethane	50.0	50.6		ug/L		101	55 - 141
2-Chloroethyl vinyl ether	50.0	51.4		ug/L		103	10 - 150
Chloroform	50.0	54.5		ug/L		109	69 - 130
1-Chlorohexane	50.0	51.9		ug/L		104	69 - 130
Chloromethane	50.0	37.3		ug/L		75	58 - 137
cis-1,2-Dichloroethene	50.0	57.0		ug/L		114	68 - 130
cis-1,3-Dichloropropene	50.0	52.7		ug/L		105	69 - 132
Dibromochloromethane	50.0	49.3		ug/L		99	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	30.6		ug/L		61	41 - 146
1,1-Dichloroethane	50.0	55.1		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	59.3		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	56.4		ug/L		113	63 - 134
1,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	50.1		ug/L		100	52 - 135
1,1-Dichloropropene	50.0	54.0		ug/L		108	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Ethyl methacrylate	50.0	46.4		ug/L		93	68 - 130
Hexachlorobutadiene	50.0	60.7		ug/L		121	53 - 140
2-Hexanone	200	218		ug/L		109	65 - 137
Isopropylbenzene	50.0	52.9		ug/L		106	70 - 130
Methylene bromide	50.0	55.0		ug/L		110	70 - 130
Methylene Chloride	50.0	55.9		ug/L		112	66 - 135
4-Methyl-2-pentanone (MIBK)	200	220		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	51.1		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.7		ug/L		101	70 - 130
Naphthalene	50.0	47.6		ug/L		95	47 - 149
n-Butylbenzene	50.0	46.5		ug/L		93	67 - 130
N-Propylbenzene	50.0	51.5		ug/L		103	70 - 130
o-Chlorotoluene	50.0	43.6		ug/L		87	70 - 130
o-Xylene	50.0	50.3		ug/L		101	70 - 130
p-Chlorotoluene	50.0	48.6		ug/L		97	70 - 130

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

Lab Sample ID: LCS 400-707878/1002
Matrix: Water
Analysis Batch: 707878

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	51.1		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	51.3		ug/L		103	70 - 130
tert-Butylbenzene	50.0	48.1		ug/L		96	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 131
Tetrachloroethene	50.0	53.9		ug/L		108	65 - 130
Toluene	50.0	47.7		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	48.2		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	56.7		ug/L		113	60 - 138
1,2,4-Trichlorobenzene	50.0	58.4		ug/L		117	60 - 140
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	48.8		ug/L		98	70 - 130
Trichloroethene	50.0	57.2		ug/L		114	70 - 130
Trichlorofluoromethane	50.0	55.5		ug/L		111	65 - 138
1,2,3-Trichloropropane	50.0	44.8		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	69 - 130
Vinyl acetate	100	92.8		ug/L		93	26 - 150
Vinyl chloride	50.0	40.6		ug/L		81	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*113*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/25/25 12:21	04/28/25 14:16	1
Aniline	ND		10	0.74	ug/L		04/25/25 12:21	04/28/25 14:16	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzenethiol	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 14:16	1
Anthracene	ND		0.20	0.073	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzoic acid	ND		30	27	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzyl alcohol	ND		10	1.9	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/25/25 12:21	04/28/25 14:16	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 14:16	1

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/25/25 12:21	04/28/25 14:16	1
Chrysene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 14:16	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chloroaniline	ND		10	0.28	ug/L		04/25/25 12:21	04/28/25 14:16	1
Fluoranthene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 14:16	1
Fluorene	ND		0.20	0.087	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Chlorophenol	ND		10	0.84	ug/L		04/25/25 12:21	04/28/25 14:16	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 14:16	1
1-Methylnaphthalene	0.138	J	0.20	0.066	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Methylnaphthalene	0.149	J	0.20	0.077	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dibenzofuran	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 14:16	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/25/25 12:21	04/28/25 14:16	1
Phenanthrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pyrene	ND		0.20	0.095	ug/L		04/25/25 12:21	04/28/25 14:16	1
Diethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/25/25 12:21	04/28/25 14:16	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
1,4-Dioxane	ND		10	4.3	ug/L		04/25/25 12:21	04/28/25 14:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachloroethane	ND		10	0.53	ug/L		04/25/25 12:21	04/28/25 14:16	1
Indene	ND		10	0.44	ug/L		04/25/25 12:21	04/28/25 14:16	1
Isophorone	ND		10	0.80	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Methylphenol	ND		10	0.76	ug/L		04/25/25 12:21	04/28/25 14:16	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Nitroaniline	ND		10	1.4	ug/L		04/25/25 12:21	04/28/25 14:16	1
3-Nitroaniline	ND		10	0.95	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Nitroaniline	ND		10	3.5	ug/L		04/25/25 12:21	04/28/25 14:16	1
Nitrobenzene	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Nitrophenol	ND		10	1.2	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Nitrophenol	ND		10	2.7	ug/L		04/25/25 12:21	04/28/25 14:16	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/25/25 12:21	04/28/25 14:16	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/25/25 12:21	04/28/25 14:16	1

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pentachlorophenol	ND		10	2.8	ug/L		04/25/25 12:21	04/28/25 14:16	1
Phenol	ND		10	0.68	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pyridine	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 14:16	1
Quinoline	ND		10	0.50	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/25/25 12:21	04/28/25 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Terphenyl-d14	*77*		*43 - 147*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
2-Fluorophenol	*138*		*10 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Phenol-d5	*129*		*10 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Terphenyl-d14	*77*		*43 - 147*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
2,4,6-Tribromophenol	*107*		*10 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*

Lab Sample ID: LCS 400-707103/2-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.4		ug/L		58	44 - 122
Aniline	25.0	12.2		ug/L		49	10 - 150
Acenaphthylene	25.0	14.8		ug/L		59	42 - 125
Anthracene	25.0	15.8		ug/L		63	51 - 136
Benzoic acid	214	171		ug/L		80	10 - 180
Benzo[a]anthracene	25.0	16.0		ug/L		64	50 - 138
Benzo[a]pyrene	25.0	15.3		ug/L		61	53 - 134
Bis(2-chloroethoxy)methane	25.0	20.1		ug/L		80	60 - 123
Benzo[b]fluoranthene	25.0	17.1		ug/L		68	50 - 134
Bis(2-chloroethyl)ether	25.0	16.4		ug/L		66	45 - 127
Benzo[g,h,i]perylene	25.0	14.7		ug/L		59	42 - 138
bis (2-chloroisopropyl) ether	25.0	16.4		ug/L		65	10 - 150
Benzo[k]fluoranthene	25.0	14.5		ug/L		58	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	19.0		ug/L		76	10 - 147
4-Bromophenyl phenyl ether	25.0	14.6		ug/L		59	50 - 126
Chrysene	25.0	15.4		ug/L		61	53 - 141
Butyl benzyl phthalate	25.0	17.5		ug/L		70	36 - 137
Dibenz(a,h)anthracene	25.0	15.3		ug/L		61	41 - 139
4-Chloroaniline	25.0	12.9		ug/L		52	10 - 150
Fluoranthene	25.0	14.7		ug/L		59	49 - 141
4-Chloro-3-methylphenol	25.0	21.5		ug/L		86	14 - 150
Fluorene	25.0	15.4		ug/L		61	41 - 136
2-Chloronaphthalene	25.0	15.7		ug/L		63	44 - 122
2-Chlorophenol	25.0	19.7		ug/L		79	10 - 150

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

Lab Sample ID: LCS 400-707103/2-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	25.0	15.0		ug/L		60	30 - 150
1-Methylnaphthalene	25.0	15.4		ug/L		62	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.0		ug/L		56	51 - 125
2-Methylnaphthalene	25.0	15.8		ug/L		63	31 - 115
Dibenz[a,h]acridine	49.9	33.2		ug/L		67	50 - 150
Dibenzofuran	25.0	15.9		ug/L		64	55 - 125
3,3'-Dichlorobenzidine	33.3	20.6		ug/L		62	10 - 150
Phenanthrene	25.0	15.3		ug/L		61	50 - 133
2,4-Dichlorophenol	25.0	20.8		ug/L		83	11 - 150
Pyrene	25.0	14.8		ug/L		59	46 - 149
Diethyl phthalate	25.0	16.0		ug/L		64	61 - 130
2,4-Dimethylphenol	25.0	15.9		ug/L		64	5 - 150
Dimethyl phthalate	25.0	14.9		ug/L		59	55 - 139
Di-n-butyl phthalate	25.0	16.4		ug/L		65	50 - 150
4,6-Dinitro-ortho-cresol	50.0	24.6		ug/L		49	10 - 150
2,4-Dinitrophenol	50.0	15.4	J	ug/L		31	10 - 150
2,4-Dinitrotoluene	25.0	18.9		ug/L		76	46 - 137
2,6-Dinitrotoluene	25.0	20.7		ug/L		83	35 - 150
Di-n-octyl phthalate	25.0	20.6		ug/L		82	10 - 150
1,4-Dioxane	25.0	16.0		ug/L		64	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.4	I	ug/L		62	49 - 125
Hexachlorobenzene	25.0	16.1		ug/L		64	53 - 126
Hexachlorocyclopentadiene	25.0	16.6	J	ug/L		67	10 - 150
Hexachloroethane	25.0	14.1		ug/L		56	10 - 112
Indene	50.0	27.1		ug/L		54	50 - 150
Isophorone	25.0	15.8		ug/L		63	51 - 125
2-Methylphenol	25.0	18.4		ug/L		74	42 - 120
3 & 4 Methylphenol	25.0	25.0	I	ug/L		100	10 - 150
2-Nitroaniline	25.0	20.0		ug/L		80	10 - 150
3-Nitroaniline	25.0	21.7		ug/L		87	10 - 150
4-Nitroaniline	25.0	24.9		ug/L		99	10 - 144
Nitrobenzene	25.0	17.6		ug/L		70	57 - 138
2-Nitrophenol	25.0	23.4		ug/L		94	21 - 150
4-Nitrophenol	50.0	37.2		ug/L		74	10 - 150
N-Nitrosodimethylamine	25.0	17.5		ug/L		70	10 - 136
N-Nitrosodi-n-propylamine	25.0	17.6		ug/L		70	53 - 134
N-Nitrosodiphenylamine	24.8	15.8		ug/L		64	62 - 132
Pentachlorophenol	50.0	38.8		ug/L		78	16 - 150
Phenol	25.0	24.6		ug/L		98	10 - 150
Pyridine	50.0	15.3		ug/L		31	10 - 150
Quinoline	49.9	32.9		ug/L		66	50 - 150
2,4,5-Trichlorophenol	25.0	19.0		ug/L		76	10 - 150
2,4,6-Trichlorophenol	25.0	19.6		ug/L		79	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*

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

Lab Sample ID: LCS 400-707103/2-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	67		43 - 147
2-Fluorobiphenyl	71		15 - 150
2-Fluorophenol	112		10 - 150
Nitrobenzene-d5	86		50 - 150
Phenol-d5	108		10 - 150
Terphenyl-d14	67		43 - 147
2,4,6-Tribromophenol	100		10 - 150

Lab Sample ID: LCS 400-707103/4-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	25.5		ug/L		51	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	75		15 - 150
2-Fluorophenol	122		10 - 150
Nitrobenzene-d5	89		50 - 150
Phenol-d5	115		10 - 150
Terphenyl-d14	73		43 - 147
2,4,6-Tribromophenol	93		10 - 150

Lab Sample ID: LCSD 400-707103/3-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	14.5		ug/L		58	44 - 122	1	40
Aniline			25.0	12.3		ug/L		49	10 - 150	1	40
Acenaphthylene			25.0	15.1		ug/L		60	42 - 125	2	40
Anthracene			25.0	15.9		ug/L		64	51 - 136	0	40
Benzoic acid			214	177		ug/L		83	10 - 180	4	40
Benzo[a]anthracene			25.0	15.7		ug/L		63	50 - 138	2	40
Benzo[a]pyrene			25.0	15.5		ug/L		62	53 - 134	2	40
Bis(2-chloroethoxy)methane			25.0	20.5		ug/L		82	60 - 123	2	40
Benzo[b]fluoranthene			25.0	17.3		ug/L		69	50 - 134	1	40
Bis(2-chloroethyl)ether			25.0	16.2		ug/L		65	45 - 127	1	40
Benzo[g,h,i]perylene			25.0	14.8		ug/L		59	42 - 138	1	40
bis (2-chloroisopropyl) ether			25.0	15.9		ug/L		63	10 - 150	3	40
Benzo[k]fluoranthene			25.0	14.8		ug/L		59	55 - 136	2	40
Bis(2-ethylhexyl) phthalate			25.0	18.7		ug/L		75	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	14.5		ug/L		58	50 - 126	1	40
Chrysene			25.0	15.2		ug/L		61	53 - 141	1	40
Butyl benzyl phthalate			25.0	16.0		ug/L		64	36 - 137	9	40
Dibenz(a,h)anthracene			25.0	15.4		ug/L		62	41 - 139	0	40
4-Chloroaniline			25.0	13.2		ug/L		53	10 - 150	3	40
Fluoranthene			25.0	15.1		ug/L		60	49 - 141	2	40

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

Lab Sample ID: LCSD 400-707103/3-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloro-3-methylphenol	25.0	22.3		ug/L		89	14 - 150	4	40
Fluorene	25.0	15.7		ug/L		63	41 - 136	2	40
2-Chloronaphthalene	25.0	17.1		ug/L		68	44 - 122	8	40
2-Chlorophenol	25.0	19.1		ug/L		77	10 - 150	3	40
Indeno[1,2,3-cd]pyrene	25.0	15.3		ug/L		61	30 - 150	1	40
1-Methylnaphthalene	25.0	15.7		ug/L		63	36 - 117	2	40
4-Chlorophenyl phenyl ether	25.0	14.4		ug/L		58	51 - 125	3	40
2-Methylnaphthalene	25.0	16.0		ug/L		64	31 - 115	2	40
Dibenz[a,h]acridine	49.9	32.3		ug/L		65	50 - 150	3	40
Dibenzofuran	25.0	16.2		ug/L		65	55 - 125	2	40
3,3'-Dichlorobenzidine	33.3	19.1		ug/L		57	10 - 150	8	40
Phenanthrene	25.0	15.6		ug/L		63	50 - 133	2	40
2,4-Dichlorophenol	25.0	20.4		ug/L		82	11 - 150	2	40
Pyrene	25.0	15.1		ug/L		60	46 - 149	2	40
Diethyl phthalate	25.0	15.5		ug/L		62	61 - 130	3	40
2,4-Dimethylphenol	25.0	14.7		ug/L		59	5 - 150	8	40
Dimethyl phthalate	25.0	14.1		ug/L		56	55 - 139	5	40
Di-n-butyl phthalate	25.0	16.4		ug/L		66	50 - 150	1	40
4,6-Dinitro-ortho-cresol	50.0	27.3		ug/L		55	10 - 150	10	40
2,4-Dinitrophenol	50.0	20.0	J	ug/L		40	10 - 150	26	40
2,4-Dinitrotoluene	25.0	19.6		ug/L		78	46 - 137	3	40
2,6-Dinitrotoluene	25.0	21.9		ug/L		87	35 - 150	5	40
Di-n-octyl phthalate	25.0	20.2		ug/L		81	10 - 150	2	40
1,4-Dioxane	25.0	15.6		ug/L		62	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	16.1	I	ug/L		65	49 - 125	5	40
Hexachlorobenzene	25.0	16.0		ug/L		64	53 - 126	1	40
Hexachlorocyclopentadiene	25.0	17.7	J	ug/L		71	10 - 150	6	40
Hexachloroethane	25.0	14.4		ug/L		58	10 - 112	2	40
Indene	50.0	39.3		ug/L		79	50 - 150	37	40
Isophorone	25.0	15.8		ug/L		63	51 - 125	0	40
2-Methylphenol	25.0	16.6		ug/L		66	42 - 120	10	40
3 & 4 Methylphenol	25.0	21.7	I	ug/L		87	10 - 150	14	40
2-Nitroaniline	25.0	21.0		ug/L		84	10 - 150	5	40
3-Nitroaniline	25.0	22.0		ug/L		88	10 - 150	1	40
4-Nitroaniline	25.0	25.8		ug/L		103	10 - 144	4	40
Nitrobenzene	25.0	17.8		ug/L		71	57 - 138	1	40
2-Nitrophenol	25.0	24.1		ug/L		96	21 - 150	3	40
4-Nitrophenol	50.0	40.3		ug/L		81	10 - 150	8	40
N-Nitrosodimethylamine	25.0	17.1		ug/L		68	10 - 136	3	40
N-Nitrosodi-n-propylamine	25.0	18.0		ug/L		72	53 - 134	3	40
N-Nitrosodiphenylamine	24.8	16.3		ug/L		66	62 - 132	3	40
Pentachlorophenol	50.0	39.1		ug/L		78	16 - 150	1	40
Phenol	25.0	22.4		ug/L		89	10 - 150	10	40
Pyridine	50.0	15.1		ug/L		30	10 - 150	1	40
Quinoline	49.9	33.7		ug/L		68	50 - 150	2	40
2,4,5-Trichlorophenol	25.0	20.0		ug/L		80	10 - 150	5	40
2,4,6-Trichlorophenol	25.0	19.3		ug/L		77	50 - 150	2	40

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

Lab Sample ID: LCSD 400-707103/3-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*65*		*43 - 147*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Phenol-d5	*105*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*92*		*10 - 150*

Lab Sample ID: LCSD 400-707103/5-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	21.8		ug/L		44	10 - 150	15	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
2-Fluorophenol	*125*		*10 - 150*
Nitrobenzene-d5	*94*		*50 - 150*
Phenol-d5	*103*		*10 - 150*
Terphenyl-d14	*81*		*43 - 147*
2,4,6-Tribromophenol	*100*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-707269/1-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/28/25 10:01	04/28/25 12:48	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/28/25 10:01	04/28/25 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*51 - 149*	*04/28/25 10:01*	*04/28/25 12:48*	*1*

Lab Sample ID: LCS 400-707269/2-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane			0.101	0.0882		ug/L		88	60 - 140
1,2-Dibromoethane			0.100	0.0962		ug/L		96	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: LCSD 400-707269/3-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0946		ug/L		94	60 - 140	7	30
1,2-Dibromoethane			0.100	0.0965		ug/L		96	60 - 140	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/18/2025
PO #	**GSAP Project ID**	PAGE: 1 of 2
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 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): S.MCLEAN, E.CHALFANT

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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041825-8260-A	4/18/2025	0000	Water	2					2	X			
	TB-ROX-041825-8011-A	4/18/2025	0000	Water	2					2		X		
	MW4-ROX-041825-EB	4/18/2025	0830	Water	6			4		10	X	X	X	X
	MW4-ROX-041825	4/18/2025	0925	Water	6			4		10	X	X	X	X
	MW25-ROX-041825	4/18/2025	1035	Water	6			4		10	X	X	X	X
	MW25-ROX-041825-DUP	4/18/2025	1035	Water	6			4		10	X	X	X	X
	MW7-ROX-041825	4/18/2025	1235	Water	6			4		10	X	X	X	X

400-274567 Chain of Custody

041825

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S.MCLEAN	FEDEX: 423495985794/ 423495985783	4/18/2025	1600
		4/19/25	9:40

Version: 19Sept24

CUSTODY SEALS: 1142214, 1142215, 1142210, 1142211

0.4°C, 0.4°C, 1.2°C MB

Page 75 of 78

6/17/2025 (Rev. 1)

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

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: 4/18/2025
PO #	**GSAP Project ID**	PAGE: 2 of 2
60738191 – 3.1.2	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 – 3.1.2

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 1Q25 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 – 3.1.2

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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041825-8260-B	4/18/2025	0000	Water	2					2	X			
	TB-ROX-041825-8011-B	4/18/2025	0000	Water	2					2		X		
	P74-ROX-041825	4/18/2025	10:00	Water	6			4		10	X	X	X	X
	P74-ROX-041825-DUP	4/18/2025	10:00	Water	6			4		10	X	X	X	X
	P58-ROX-041825	4/18/2025	11:20	Water	6			4		10	X	X	X	X

4/18/25

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 4234 9598 5794, 4234 9598 5783	Date: 4/18/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/19/25	Time: 9:40

Version: 19Sept24

CUSTODY SEALS: 1142214, 1142215, 1142210, 1142211

0.4C, 0.4C, 1.2C MB

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6/17/2025 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274567-1

Login Number: 274567
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	0.4°C, 0.4°C, 1.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	F-6 BROKEN
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: 400-274567-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	06-07-25
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274568-1-Rev.1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/11/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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			
Method 8270E (SVOCs)					
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		

Sample ID	Parameter	Analyte	Qualification
P93B-ROX-041825	SVOCs	Benzyl alcohol	UJ

Blank ID	Parameter	Analyte	Concentration/Amount
MB 400-707103/1-A	PAHs	1-Methylnaphthalene	0.138 µg/L
MB 400-707103/1-A	PAHs	2-Methylnaphthalene	0.149 ug/L

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

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

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P93B-ROX-041825	PAHs	1-Methylnaphthalene	-	**U**
P93B-ROX-041825	PAHs	2-Methylnaphthalene	-	**U**

Detection Limits[2]	No results were reported as non-detect at elevated detection limits.	X			Analytes were detected in samples that required 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 July 16, 2025, to include missing QC.
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			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**	
	abundances were within acceptance limits.				
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 chloromethane was outside evaluation criteria, biased low. Trip blanks are quality control samples that do not require qualification.

Method 8270E (VOCs)

The initial calibration verification (ICV) for benzoic acid recovered outside evaluation criteria, biased high. Benzyl alcohol in sample 93B-ROX-041825 was previously qualified due to LCS/LCSD recoveries outside evaluation criteria; no further qualifications was required. The continuous calibration verifications (CCVs) for several analytes were outside evaluation criteria, biased low.

Sample ID	Parameter	Analyte	Qualification
P93B-ROX-041825	VOCs	Chloromethane	**UJ**
P93B-ROX-041825	SVOCs	2,4-Dinitrophenol	**UJ**
P93B-ROX-041825	SVOCs	4,6-Dinitro-ortho-cresol	**UJ**
P93B-ROX-041825	SVOCs	Benzoic acid	**J**

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			X	

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
	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
AECOM
411 Broadway Ave
South Roxana, Illinois 62087

Generated 5/5/2025 9:48:47 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274568-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

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
400-274568-1

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 4/19/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.4°C, 0.4°C and 1.2°C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93B-ROX-041825 (400-274568-3). 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-041825-8260-SS (400-274568-1) and P93B-ROX-041825 (400-274568-3). 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 continuing calibration verification (CCV) associated with batch 400-707878 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707878/2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707878 recovered outside acceptance criteria, low biased, for Chloromethane. 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.

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 method blank for preparation batch 400-707103 and analytical batch 400-707228 contained 1-Methylnaphthalene and 2-Methylnaphthalene 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 initial calibration verification (ICV) analyzed in batch 400-702879 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 400-707229 recovered above the upper control limit for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,6-Dinitrotoluene, 2-Nitrophenol, 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 continuing calibration verification (CCV) associated with batch 400-707229 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol, 4,6-Dinitro-ortho-cresol and Dibenz[a,h]acridine. 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 method blank for preparation batch 400-707103 and analytical batch 400-707229 contained 1,4-Dioxane, 2-Chlorophenol, 2-Methylphenol, 2,2'-oxybis[1-chloropropane], 3 & 4 Methylphenol, Bis(2-chloroethyl)ether, N-Nitrosodiphenylamine and Phenol 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 following sample was diluted to bring the concentration of target analytes within the calibration range: P93B-ROX-041825 (400-274568-3). 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 Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706915 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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.

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: 400-274568-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274568-1	TB-ROX-041825-8260-SS	Water	04/18/25 00:00	04/19/25 09:40
400-274568-2	TB-ROX-041825-8011-SS	Water	04/18/25 00:00	04/19/25 09:40
400-274568-3	P93B-ROX-041825	Water	04/18/25 12:30	04/19/25 09:40

Detection Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Client Sample ID: TB-ROX-041825-8260-SS — Lab Sample ID: 400-274568-1

No Detections.

Client Sample ID: TB-ROX-041825-8011-SS — Lab Sample ID: 400-274568-2

No Detections.

Client Sample ID: P93B-ROX-041825 — Lab Sample ID: 400-274568-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	880000		5000	2500	ug/L	5000		8260D	Total/NA
Aniline	1.9	J	9.8	0.73	ug/L	1		8270E	Total/NA
Benzoic acid	52	J	30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	~~0.22~~	~~B~~ U	0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	~~0.19~~	~~J B~~ U	0.20	0.076	ug/L	1		8270E	Total/NA
Nitrobenzene	0.81	J	9.8	0.59	ug/L	1		8270E	Total/NA
Phenol - DL	250		98	6.7	ug/L	10		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Client Sample ID: TB-ROX-041825-8260-SS
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-1
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			05/02/25 22:14	1
Acrolein	ND		20	3.3	ug/L			05/02/25 22:14	1
Acrylonitrile	ND		10	2.8	ug/L			05/02/25 22:14	1
Benzene	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Bromobenzene	ND		1.0	0.54	ug/L			05/02/25 22:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/02/25 22:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Bromoform	ND		5.0	0.25	ug/L			05/02/25 22:14	1
Bromomethane	ND		1.0	0.98	ug/L			05/02/25 22:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/02/25 22:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/02/25 22:14	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/02/25 22:14	1
Chloroethane	ND		1.0	0.76	ug/L			05/02/25 22:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/02/25 22:14	1
Chloroform	ND		1.0	0.90	ug/L			05/02/25 22:14	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/02/25 22:14	1
Chloromethane	ND		1.0	0.40	ug/L			05/02/25 22:14	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/02/25 22:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/02/25 22:14	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/02/25 22:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/02/25 22:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/02/25 22:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/02/25 22:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/02/25 22:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/02/25 22:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 22:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/02/25 22:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/02/25 22:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/02/25 22:14	1
2-Hexanone	ND		25	4.3	ug/L			05/02/25 22:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/02/25 22:14	1
Methylene bromide	ND		5.0	0.22	ug/L			05/02/25 22:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/02/25 22:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/02/25 22:14	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/02/25 22:14	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/02/25 22:14	1
Naphthalene	ND		5.0	3.0	ug/L			05/02/25 22:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/02/25 22:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/02/25 22:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/02/25 22:14	1
o-Xylene	ND		5.0	3.0	ug/L			05/02/25 22:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/02/25 22:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/02/25 22:14	1

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Client Sample ID: TB-ROX-041825-8260-SS
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-1
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			05/02/25 22:14	1
Styrene	ND		1.0	1.0	ug/L			05/02/25 22:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/02/25 22:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/02/25 22:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/02/25 22:14	1
Toluene	ND		1.0	0.90	ug/L			05/02/25 22:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 22:14	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/02/25 22:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/02/25 22:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/02/25 22:14	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/02/25 22:14	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/02/25 22:14	1
Trichloroethene	ND		1.0	0.15	ug/L			05/02/25 22:14	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/02/25 22:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/02/25 22:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/02/25 22:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/02/25 22:14	1
Vinyl acetate	ND		25	0.93	ug/L			05/02/25 22:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/02/25 22:14	1
Xylenes, Total	ND		10	6.0	ug/L			05/02/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*05/02/25 22:14*	*1*
Dibromofluoromethane	*114*		*79 - 130*		*05/02/25 22:14*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 22:14*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Client Sample ID: TB-ROX-041825-8011-SS
Date Collected: 04/18/25 00:00
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-2
Matrix: Water

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/24/25 13:14	04/24/25 19:46	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/24/25 13:14	04/24/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*51 - 149*	*04/24/25 13:14*	*04/24/25 19:46*	*1*

Client Sample ID: P93B-ROX-041825
Date Collected: 04/18/25 12:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			05/02/25 23:34	5000
Acrolein	ND		100000	17000	ug/L			05/02/25 23:34	5000
Acrylonitrile	ND		50000	14000	ug/L			05/02/25 23:34	5000
Benzene	**880000**		5000	2500	ug/L			05/02/25 23:34	5000
Bromobenzene	ND		5000	2700	ug/L			05/02/25 23:34	5000
Bromochloromethane	ND		5000	2600	ug/L			05/02/25 23:34	5000
Bromodichloromethane	ND		5000	2500	ug/L			05/02/25 23:34	5000
Bromoform	ND		25000	1300	ug/L			05/02/25 23:34	5000
Bromomethane	ND		5000	4900	ug/L			05/02/25 23:34	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			05/02/25 23:34	5000
Carbon disulfide	ND		5000	2500	ug/L			05/02/25 23:34	5000
Carbon tetrachloride	ND		5000	950	ug/L			05/02/25 23:34	5000
Chlorobenzene	ND		5000	2100	ug/L			05/02/25 23:34	5000
Chloroethane	ND		5000	3800	ug/L			05/02/25 23:34	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			05/02/25 23:34	5000
Chloroform	ND		5000	4500	ug/L			05/02/25 23:34	5000
1-Chlorohexane	ND		5000	1600	ug/L			05/02/25 23:34	5000
Chloromethane	ND	UJ	5000	2000	ug/L			05/02/25 23:34	5000
cis-1,2-Dichloroethene	ND		5000	1000	ug/L			05/02/25 23:34	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			05/02/25 23:34	5000
Dibromochloromethane	ND		5000	1200	ug/L			05/02/25 23:34	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			05/02/25 23:34	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			05/02/25 23:34	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			05/02/25 23:34	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			05/02/25 23:34	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			05/02/25 23:34	5000
1,2-Dichloroethane	ND		5000	2800	ug/L			05/02/25 23:34	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			05/02/25 23:34	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			05/02/25 23:34	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			05/02/25 23:34	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			05/02/25 23:34	5000
1,1-Dichloropropene	ND		5000	450	ug/L			05/02/25 23:34	5000
Ethylbenzene	ND		5000	2500	ug/L			05/02/25 23:34	5000
Ethyl methacrylate	ND		5000	3000	ug/L			05/02/25 23:34	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			05/02/25 23:34	5000
2-Hexanone	ND		130000	21000	ug/L			05/02/25 23:34	5000
Isopropylbenzene	ND		5000	2700	ug/L			05/02/25 23:34	5000
Methylene bromide	ND		25000	1100	ug/L			05/02/25 23:34	5000
Methylene Chloride	ND		25000	15000	ug/L			05/02/25 23:34	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			05/02/25 23:34	5000
Methyl tert-butyl ether	ND		5000	1100	ug/L			05/02/25 23:34	5000
m-Xylene & p-Xylene	ND		25000	15000	ug/L			05/02/25 23:34	5000
Naphthalene	ND		25000	15000	ug/L			05/02/25 23:34	5000
n-Butylbenzene	ND		5000	3800	ug/L			05/02/25 23:34	5000
N-Propylbenzene	ND		5000	3500	ug/L			05/02/25 23:34	5000
o-Chlorotoluene	ND		5000	2900	ug/L			05/02/25 23:34	5000
o-Xylene	ND		25000	15000	ug/L			05/02/25 23:34	5000
p-Chlorotoluene	ND		5000	2800	ug/L			05/02/25 23:34	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			05/02/25 23:34	5000

Client Sample ID: P93B-ROX-041825
Date Collected: 04/18/25 12:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-3
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		5000	3500	ug/L			05/02/25 23:34	5000
Styrene	ND		5000	5000	ug/L			05/02/25 23:34	5000
tert-Butylbenzene	ND		5000	3200	ug/L			05/02/25 23:34	5000
1,1,1,2-Tetrachloroethane	ND		5000	1900	ug/L			05/02/25 23:34	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			05/02/25 23:34	5000
Tetrachloroethene	ND		5000	1700	ug/L			05/02/25 23:34	5000
Toluene	ND		5000	4500	ug/L			05/02/25 23:34	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			05/02/25 23:34	5000
trans-1,3-Dichloropropene	ND		25000	1000	ug/L			05/02/25 23:34	5000
1,2,3-Trichlorobenzene	ND		5000	4500	ug/L			05/02/25 23:34	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			05/02/25 23:34	5000
1,1,1-Trichloroethane	ND		5000	900	ug/L			05/02/25 23:34	5000
1,1,2-Trichloroethane	ND		25000	1100	ug/L			05/02/25 23:34	5000
Trichloroethene	ND		5000	750	ug/L			05/02/25 23:34	5000
Trichlorofluoromethane	ND		5000	1300	ug/L			05/02/25 23:34	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			05/02/25 23:34	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			05/02/25 23:34	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			05/02/25 23:34	5000
Vinyl acetate	ND		130000	4700	ug/L			05/02/25 23:34	5000
Vinyl chloride	ND		5000	2500	ug/L			05/02/25 23:34	5000
Xylenes, Total	ND		50000	30000	ug/L			05/02/25 23:34	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*05/02/25 23:34*	*5000*
Dibromofluoromethane	*110*		*79 - 130*		*05/02/25 23:34*	*5000*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 23:34*	*5000*

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		04/25/25 12:21	04/28/25 23:28	1
Aniline	**1.9**	J	9.8	0.73	ug/L		04/25/25 12:21	04/28/25 23:28	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzenethiol	ND		9.8	0.59	ug/L		04/25/25 12:21	04/28/25 23:28	1
Anthracene	ND		0.20	0.072	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzoic acid	**52**	J	30	27	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzyl alcohol	ND	*- UJ	9.8	1.8	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 23:28	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/25/25 12:21	04/28/25 23:28	1
Bis(2-chloroethyl)ether	ND		9.8	0.72	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/25/25 12:21	04/28/25 23:28	1
bis (2-chloroisopropyl) ether	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 23:28	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 23:28	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/25/25 12:21	04/28/25 23:28	1
Chrysene	ND		0.20	0.038	ug/L		04/25/25 12:21	04/28/25 23:28	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Chloroaniline	ND		9.8	0.28	ug/L		04/25/25 12:21	04/28/25 23:28	1

Client Sample ID: P93B-ROX-041825

Date Collected: 04/18/25 12:30
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274568-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Chloro-3-methylphenol	ND		9.8	0.72	ug/L		04/25/25 12:21	04/28/25 23:28	1
Fluorene	ND		0.20	0.086	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Chlorophenol	ND		9.8	0.83	ug/L		04/25/25 12:21	04/28/25 23:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/25/25 12:21	04/28/25 23:28	1
1-Methylnaphthalene	~~0.22~~ ~~B~~ U		0.20	0.065	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Methylnaphthalene	~~0.19~~ ~~J~~ ~~B~~ U		0.20	0.076	ug/L		04/25/25 12:21	04/28/25 23:28	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		04/25/25 12:21	04/28/25 23:28	1
Dibenzofuran	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 23:28	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/25/25 12:21	04/28/25 23:28	1
Phenanthrene	ND		0.20	0.043	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/25/25 12:21	04/28/25 23:28	1
Pyrene	ND		0.20	0.093	ug/L		04/25/25 12:21	04/28/25 23:28	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4-Dimethylphenol	ND		9.8	0.24	ug/L		04/25/25 12:21	04/28/25 23:28	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
4,6-Dinitro-ortho-cresol	ND	UJ	9.8	1.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4-Dinitrophenol	ND	UJ	30	4.6	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		04/25/25 12:21	04/28/25 23:28	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/25/25 12:21	04/28/25 23:28	1
1,4-Dioxane	ND		9.8	4.2	ug/L		04/25/25 12:21	04/28/25 23:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.91	ug/L		04/25/25 12:21	04/28/25 23:28	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		04/25/25 12:21	04/28/25 23:28	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/25/25 12:21	04/28/25 23:28	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/25/25 12:21	04/28/25 23:28	1
Indene	ND		9.8	0.43	ug/L		04/25/25 12:21	04/28/25 23:28	1
Isophorone	ND		9.8	0.79	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Methylphenol	ND		9.8	0.75	ug/L		04/25/25 12:21	04/28/25 23:28	1
3 & 4 Methylphenol	ND		20	4.5	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/25/25 12:21	04/28/25 23:28	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Nitroaniline	ND		9.8	3.4	ug/L		04/25/25 12:21	04/28/25 23:28	1
Nitrobenzene	**0.81**	**J**	9.8	0.59	ug/L		04/25/25 12:21	04/28/25 23:28	1
2-Nitrophenol	ND		9.8	1.2	ug/L		04/25/25 12:21	04/28/25 23:28	1
4-Nitrophenol	ND		9.8	2.7	ug/L		04/25/25 12:21	04/28/25 23:28	1
N-Nitrosodimethylamine	ND		9.8	0.95	ug/L		04/25/25 12:21	04/28/25 23:28	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/25/25 12:21	04/28/25 23:28	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/25/25 12:21	04/28/25 23:28	1
Pentachlorophenol	ND		9.8	2.8	ug/L		04/25/25 12:21	04/28/25 23:28	1
Pyridine	ND		9.8	0.63	ug/L		04/25/25 12:21	04/28/25 23:28	1
Quinoline	ND		9.8	0.49	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/25/25 12:21	04/28/25 23:28	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/25/25 12:21	04/28/25 23:28	1

Client: AECOM
Job ID: 400-274568-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93B-ROX-041825
Lab Sample ID: 400-274568-3
Date Collected: 04/18/25 12:30
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
2-Fluorobiphenyl	*73*		*15 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
2-Fluorophenol	*117*		*10 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
Nitrobenzene-d5	*91*		*50 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
Phenol-d5	*132*		*10 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/25/25 12:21*	*04/28/25 23:28*	*1*
2,4,6-Tribromophenol	*71*		*10 - 150*	*04/25/25 12:21*	*04/28/25 23:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	**250**		98	6.7	ug/L		04/25/25 12:21	05/01/25 22:17	10

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.019	ug/L		04/24/25 13:14	04/24/25 20:07	1
1,2-Dibromoethane	ND		0.022	0.016	ug/L		04/24/25 13:14	04/24/25 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*51 - 149*	*04/24/25 13:14*	*04/24/25 20:07*	*1*

Definitions/Glossary

Client: AECOM
Job ID: 400-274568-1
Project/Site: ROXANA QUARTERLY GW

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274568-1

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)
400-274568-1	TB-ROX-041825-8260-SS	91	114	92
400-274568-3	P93B-ROX-041825	92	110	92
LCS 400-707878/1002	Lab Control Sample	89	113	93
MB 400-707878/4	Method Blank	93	113	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	NBZ	NBZ	TPHL	TPHL	2FP	PHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(50-150)	(50-150)	(43-147)	(43-147)	(10-150)	(10-150)
400-274568-3	P93B-ROX-041825	73	73	91	91	71	71	117	132
LCS 400-707103/2-A	Lab Control Sample	71	71	86	86	67	67	112	108
LCS 400-707103/4-A	Lab Control Sample	75	75	89	89	73	73	122	115
LCSD 400-707103/3-A	Lab Control Sample Dup	70	70	84	84	65	65	109	105
LCSD 400-707103/5-A	Lab Control Sample Dup	80	80	94	94	81	81	125	103
MB 400-707103/1-A	Method Blank	79	79	94	94	77	77	138	129

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274568-3	P93B-ROX-041825	71
LCS 400-707103/2-A	Lab Control Sample	100
LCS 400-707103/4-A	Lab Control Sample	93
LCSD 400-707103/3-A	Lab Control Sample Dup	92
LCSD 400-707103/5-A	Lab Control Sample Dup	100
MB 400-707103/1-A	Method Blank	107

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-274568-2	TB-ROX-041825-8011-SS	71
400-274568-3	P93B-ROX-041825	103
LCS 400-706977/2-A	Lab Control Sample	66
LCSD 400-706977/3-A	Lab Control Sample Dup	69
MB 400-706977/1-A	Method Blank	95

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274568-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274568-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041825-8260-SS
Lab Sample ID: 400-274568-1
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707878	05/02/25 22:14	CAR	EET PEN

Client Sample ID: TB-ROX-041825-8011-SS
Lab Sample ID: 400-274568-2
Date Collected: 04/18/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.5 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 19:46	KR	EET PEN

Client Sample ID: P93B-ROX-041825
Lab Sample ID: 400-274568-3
Date Collected: 04/18/25 12:30
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5000	5 mL	5 mL	707878	05/02/25 23:34	CAR	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 23:28	KJA	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 23:28	KJA	EET PEN
Total/NA	Prep	3511	DL		30.5 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E	DL	10			707703	05/01/25 22:17	KJA	EET PEN
Total/NA	Prep	8011			32.1 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 20:07	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706977/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:30	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707103/1-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 14:16	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 14:16	KJA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707878/4

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	707878	05/02/25 15:29	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706977/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:51	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707103/2-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 14:47	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 14:47	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707103/4-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 18:23	KJA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707878/1002

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	707878	05/02/25 14:21	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706977/3-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 16:12	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274568-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707103/3-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707228	04/28/25 15:18	KJA	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 15:18	KJA	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707103/5-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	707103	04/25/25 12:21	RAW	EET PEN
Total/NA	Analysis	8270E		1			707229	04/28/25 18:53	KJA	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 707878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-1	TB-ROX-041825-8260-SS	Total/NA	Water	8260D	
400-274568-3	P93B-ROX-041825	Total/NA	Water	8260D	
MB 400-707878/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707878/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 707103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-3 - DL	P93B-ROX-041825	Total/NA	Water	3511	
400-274568-3	P93B-ROX-041825	Total/NA	Water	3511	
MB 400-707103/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-707103/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-707103/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-3	P93B-ROX-041825	Total/NA	Water	8270E	707103
MB 400-707103/1-A	Method Blank	Total/NA	Water	8270E	707103
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103

Analysis Batch: 707229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-3	P93B-ROX-041825	Total/NA	Water	8270E	707103
MB 400-707103/1-A	Method Blank	Total/NA	Water	8270E	707103
LCS 400-707103/2-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCS 400-707103/4-A	Lab Control Sample	Total/NA	Water	8270E	707103
LCSD 400-707103/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103
LCSD 400-707103/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	707103

Analysis Batch: 707703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-3 - DL	P93B-ROX-041825	Total/NA	Water	8270E	707103

GC Semi VOA

Analysis Batch: 706915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-2	TB-ROX-041825-8011-SS	Total/NA	Water	8011	706977
400-274568-3	P93B-ROX-041825	Total/NA	Water	8011	706977
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	706977
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	706977
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706977

Prep Batch: 706977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274568-2	TB-ROX-041825-8011-SS	Total/NA	Water	8011	
400-274568-3	P93B-ROX-041825	Total/NA	Water	8011	
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 706977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-707878/4
Matrix: Water
Analysis Batch: 707878

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			05/02/25 15:29	1
Acrolein	ND		20	3.3	ug/L			05/02/25 15:29	1
Acrylonitrile	ND		10	2.8	ug/L			05/02/25 15:29	1
Benzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Bromobenzene	ND		1.0	0.54	ug/L			05/02/25 15:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/02/25 15:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Bromoform	ND		5.0	0.25	ug/L			05/02/25 15:29	1
Bromomethane	ND		1.0	0.98	ug/L			05/02/25 15:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/02/25 15:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/02/25 15:29	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/02/25 15:29	1
Chloroethane	ND		1.0	0.76	ug/L			05/02/25 15:29	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/02/25 15:29	1
Chloroform	ND		1.0	0.90	ug/L			05/02/25 15:29	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/02/25 15:29	1
Chloromethane	ND		1.0	0.40	ug/L			05/02/25 15:29	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/02/25 15:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/02/25 15:29	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/02/25 15:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/02/25 15:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/02/25 15:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/02/25 15:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/02/25 15:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			05/02/25 15:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/02/25 15:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/02/25 15:29	1
2-Hexanone	ND		25	4.3	ug/L			05/02/25 15:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/02/25 15:29	1
Methylene bromide	ND		5.0	0.22	ug/L			05/02/25 15:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/02/25 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/02/25 15:29	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/02/25 15:29	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
Naphthalene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/02/25 15:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/02/25 15:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/02/25 15:29	1
o-Xylene	ND		5.0	3.0	ug/L			05/02/25 15:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/02/25 15:29	1

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

Lab Sample ID: MB 400-707878/4
Matrix: Water
Analysis Batch: 707878

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/02/25 15:29	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/02/25 15:29	1
Styrene	ND		1.0	1.0	ug/L			05/02/25 15:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/02/25 15:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/02/25 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/02/25 15:29	1
Toluene	ND		1.0	0.90	ug/L			05/02/25 15:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/02/25 15:29	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/02/25 15:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/02/25 15:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/02/25 15:29	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/02/25 15:29	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/02/25 15:29	1
Trichloroethene	ND		1.0	0.15	ug/L			05/02/25 15:29	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/02/25 15:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/02/25 15:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/02/25 15:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/02/25 15:29	1
Vinyl acetate	ND		25	0.93	ug/L			05/02/25 15:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/02/25 15:29	1
Xylenes, Total	ND		10	6.0	ug/L			05/02/25 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*56 - 136*		*05/02/25 15:29*	*1*
Dibromofluoromethane	*113*		*79 - 130*		*05/02/25 15:29*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/02/25 15:29*	*1*

Lab Sample ID: LCS 400-707878/1002
Matrix: Water
Analysis Batch: 707878

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	254		ug/L		127	43 - 150
Acrolein	500	534		ug/L		107	38 - 150
Acrylonitrile	500	528		ug/L		106	64 - 142
Benzene	50.0	52.8		ug/L		106	70 - 130
Bromobenzene	50.0	54.0		ug/L		108	70 - 132
Bromochloromethane	50.0	57.3		ug/L		115	70 - 130
Bromodichloromethane	50.0	52.7		ug/L		105	67 - 133
Bromoform	50.0	44.8		ug/L		90	57 - 140
Bromomethane	50.0	43.0		ug/L		86	10 - 150
2-Butanone (MEK)	200	207		ug/L		104	61 - 145
Carbon disulfide	50.0	53.1		ug/L		106	61 - 137
Carbon tetrachloride	50.0	54.9		ug/L		110	61 - 137
Chlorobenzene	50.0	50.8		ug/L		102	70 - 130
Chloroethane	50.0	50.6		ug/L		101	55 - 141
2-Chloroethyl vinyl ether	50.0	51.4		ug/L		103	10 - 150

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

Lab Sample ID: LCS 400-707878/1002
Matrix: Water
Analysis Batch: 707878

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	54.5		ug/L		109	69 - 130
1-Chlorohexane	50.0	51.9		ug/L		104	69 - 130
Chloromethane	50.0	37.3		ug/L		75	58 - 137
cis-1,2-Dichloroethene	50.0	57.0		ug/L		114	68 - 130
cis-1,3-Dichloropropene	50.0	52.7		ug/L		105	69 - 132
Dibromochloromethane	50.0	49.3		ug/L		99	67 - 135
1,2-Dichlorobenzene	50.0	53.9		ug/L		108	67 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	30.6		ug/L		61	41 - 146
1,1-Dichloroethane	50.0	55.1		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	59.3		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	56.4		ug/L		113	63 - 134
1,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	50.1		ug/L		100	52 - 135
1,1-Dichloropropene	50.0	54.0		ug/L		108	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Ethyl methacrylate	50.0	46.4		ug/L		93	68 - 130
Hexachlorobutadiene	50.0	60.7		ug/L		121	53 - 140
2-Hexanone	200	218		ug/L		109	65 - 137
Isopropylbenzene	50.0	52.9		ug/L		106	70 - 130
Methylene bromide	50.0	55.0		ug/L		110	70 - 130
Methylene Chloride	50.0	55.9		ug/L		112	66 - 135
4-Methyl-2-pentanone (MIBK)	200	220		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	51.1		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.7		ug/L		101	70 - 130
Naphthalene	50.0	47.6		ug/L		95	47 - 149
n-Butylbenzene	50.0	46.5		ug/L		93	67 - 130
N-Propylbenzene	50.0	51.5		ug/L		103	70 - 130
o-Chlorotoluene	50.0	43.6		ug/L		87	70 - 130
o-Xylene	50.0	50.3		ug/L		101	70 - 130
p-Chlorotoluene	50.0	48.6		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	51.1		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	51.3		ug/L		103	70 - 130
tert-Butylbenzene	50.0	48.1		ug/L		96	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 131
Tetrachloroethene	50.0	53.9		ug/L		108	65 - 130
Toluene	50.0	47.7		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	48.2		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	56.7		ug/L		113	60 - 138
1,2,4-Trichlorobenzene	50.0	58.4		ug/L		117	60 - 140
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	48.8		ug/L		98	70 - 130
Trichloroethene	50.0	57.2		ug/L		114	70 - 130
Trichlorofluoromethane	50.0	55.5		ug/L		111	65 - 138

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

Lab Sample ID: LCS 400-707878/1002
Matrix: Water
Analysis Batch: 707878

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	50.0	44.8		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	69 - 130
Vinyl acetate	100	92.8		ug/L		93	26 - 150
Vinyl chloride	50.0	40.6		ug/L		81	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*56 - 136*
Dibromofluoromethane	*113*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/25/25 12:21	04/28/25 14:16	1
Aniline	ND		10	0.74	ug/L		04/25/25 12:21	04/28/25 14:16	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzenethiol	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 14:16	1
Anthracene	ND		0.20	0.073	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzoic acid	ND		30	27	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzyl alcohol	ND		10	1.9	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-chloroethyl)ether	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/25/25 12:21	04/28/25 14:16	1
bis (2-chloroisopropyl) ether	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 14:16	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/25/25 12:21	04/28/25 14:16	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/25/25 12:21	04/28/25 14:16	1
Chrysene	ND		0.20	0.039	ug/L		04/25/25 12:21	04/28/25 14:16	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chloroaniline	ND		10	0.28	ug/L		04/25/25 12:21	04/28/25 14:16	1
Fluoranthene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/25/25 12:21	04/28/25 14:16	1
Fluorene	ND		0.20	0.087	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Chlorophenol	ND		10	0.84	ug/L		04/25/25 12:21	04/28/25 14:16	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/25/25 12:21	04/28/25 14:16	1
1-Methylnaphthalene	0.138	J	0.20	0.066	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Methylnaphthalene	0.149	J	0.20	0.077	ug/L		04/25/25 12:21	04/28/25 14:16	1

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dibenzofuran	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 14:16	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/25/25 12:21	04/28/25 14:16	1
Phenanthrene	ND		0.20	0.044	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pyrene	ND		0.20	0.095	ug/L		04/25/25 12:21	04/28/25 14:16	1
Diethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/25/25 12:21	04/28/25 14:16	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/25/25 12:21	04/28/25 14:16	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/25/25 12:21	04/28/25 14:16	1
1,4-Dioxane	ND		10	4.3	ug/L		04/25/25 12:21	04/28/25 14:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.93	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/25/25 12:21	04/28/25 14:16	1
Hexachloroethane	ND		10	0.53	ug/L		04/25/25 12:21	04/28/25 14:16	1
Indene	ND		10	0.44	ug/L		04/25/25 12:21	04/28/25 14:16	1
Isophorone	ND		10	0.80	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Methylphenol	ND		10	0.76	ug/L		04/25/25 12:21	04/28/25 14:16	1
3 & 4 Methylphenol	ND		20	4.6	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Nitroaniline	ND		10	1.4	ug/L		04/25/25 12:21	04/28/25 14:16	1
3-Nitroaniline	ND		10	0.95	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Nitroaniline	ND		10	3.5	ug/L		04/25/25 12:21	04/28/25 14:16	1
Nitrobenzene	ND		10	0.60	ug/L		04/25/25 12:21	04/28/25 14:16	1
2-Nitrophenol	ND		10	1.2	ug/L		04/25/25 12:21	04/28/25 14:16	1
4-Nitrophenol	ND		10	2.7	ug/L		04/25/25 12:21	04/28/25 14:16	1
N-Nitrosodimethylamine	ND		10	0.97	ug/L		04/25/25 12:21	04/28/25 14:16	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/25/25 12:21	04/28/25 14:16	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pentachlorophenol	ND		10	2.8	ug/L		04/25/25 12:21	04/28/25 14:16	1
Phenol	ND		10	0.68	ug/L		04/25/25 12:21	04/28/25 14:16	1
Pyridine	ND		10	0.64	ug/L		04/25/25 12:21	04/28/25 14:16	1
Quinoline	ND		10	0.50	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/25/25 12:21	04/28/25 14:16	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/25/25 12:21	04/28/25 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Terphenyl-d14	*77*		*43 - 147*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
2-Fluorobiphenyl	*79*		*15 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
2-Fluorophenol	*138*		*10 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*
Nitrobenzene-d5	*94*		*50 - 150*	*04/25/25 12:21*	*04/28/25 14:16*	*1*

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

Lab Sample ID: MB 400-707103/1-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707103

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	129		10 - 150	04/25/25 12:21	04/28/25 14:16	1
Terphenyl-d14	77		43 - 147	04/25/25 12:21	04/28/25 14:16	1
2,4,6-Tribromophenol	107		10 - 150	04/25/25 12:21	04/28/25 14:16	1

Lab Sample ID: LCS 400-707103/2-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.4		ug/L		58	44 - 122
Aniline	25.0	12.2		ug/L		49	10 - 150
Acenaphthylene	25.0	14.8		ug/L		59	42 - 125
Anthracene	25.0	15.8		ug/L		63	51 - 136
Benzoic acid	214	171		ug/L		80	10 - 180
Benzo[a]anthracene	25.0	16.0		ug/L		64	50 - 138
Benzo[a]pyrene	25.0	15.3		ug/L		61	53 - 134
Bis(2-chloroethoxy)methane	25.0	20.1		ug/L		80	60 - 123
Benzo[b]fluoranthene	25.0	17.1		ug/L		68	50 - 134
Bis(2-chloroethyl)ether	25.0	16.4		ug/L		66	45 - 127
Benzo[g,h,i]perylene	25.0	14.7		ug/L		59	42 - 138
bis (2-chloroisopropyl) ether	25.0	16.4		ug/L		65	10 - 150
Benzo[k]fluoranthene	25.0	14.5		ug/L		58	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	19.0		ug/L		76	10 - 147
4-Bromophenyl phenyl ether	25.0	14.6		ug/L		59	50 - 126
Chrysene	25.0	15.4		ug/L		61	53 - 141
Butyl benzyl phthalate	25.0	17.5		ug/L		70	36 - 137
Dibenz(a,h)anthracene	25.0	15.3		ug/L		61	41 - 139
4-Chloroaniline	25.0	12.9		ug/L		52	10 - 150
Fluoranthene	25.0	14.7		ug/L		59	49 - 141
4-Chloro-3-methylphenol	25.0	21.5		ug/L		86	14 - 150
Fluorene	25.0	15.4		ug/L		61	41 - 136
2-Chloronaphthalene	25.0	15.7		ug/L		63	44 - 122
2-Chlorophenol	25.0	19.7		ug/L		79	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.0		ug/L		60	30 - 150
1-Methylnaphthalene	25.0	15.4		ug/L		62	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.0		ug/L		56	51 - 125
2-Methylnaphthalene	25.0	15.8		ug/L		63	31 - 115
Dibenz[a,h]acridine	49.9	33.2		ug/L		67	50 - 150
Dibenzofuran	25.0	15.9		ug/L		64	55 - 125
3,3'-Dichlorobenzidine	33.3	20.6		ug/L		62	10 - 150
Phenanthrene	25.0	15.3		ug/L		61	50 - 133
2,4-Dichlorophenol	25.0	20.8		ug/L		83	11 - 150
Pyrene	25.0	14.8		ug/L		59	46 - 149
Diethyl phthalate	25.0	16.0		ug/L		64	61 - 130
2,4-Dimethylphenol	25.0	15.9		ug/L		64	5 - 150
Dimethyl phthalate	25.0	14.9		ug/L		59	55 - 139
Di-n-butyl phthalate	25.0	16.4		ug/L		65	50 - 150
4,6-Dinitro-ortho-cresol	50.0	24.6		ug/L		49	10 - 150

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

Lab Sample ID: LCS 400-707103/2-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrophenol	50.0	15.4	J	ug/L		31	10 - 150
2,4-Dinitrotoluene	25.0	18.9		ug/L		76	46 - 137
2,6-Dinitrotoluene	25.0	20.7		ug/L		83	35 - 150
Di-n-octyl phthalate	25.0	20.6		ug/L		82	10 - 150
1,4-Dioxane	25.0	16.0		ug/L		64	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.4	I	ug/L		62	49 - 125
Hexachlorobenzene	25.0	16.1		ug/L		64	53 - 126
Hexachlorocyclopentadiene	25.0	16.6	J	ug/L		67	10 - 150
Hexachloroethane	25.0	14.1		ug/L		56	10 - 112
Indene	50.0	27.1		ug/L		54	50 - 150
Isophorone	25.0	15.8		ug/L		63	51 - 125
2-Methylphenol	25.0	18.4		ug/L		74	42 - 120
3 & 4 Methylphenol	25.0	25.0	I	ug/L		100	10 - 150
2-Nitroaniline	25.0	20.0		ug/L		80	10 - 150
3-Nitroaniline	25.0	21.7		ug/L		87	10 - 150
4-Nitroaniline	25.0	24.9		ug/L		99	10 - 144
Nitrobenzene	25.0	17.6		ug/L		70	57 - 138
2-Nitrophenol	25.0	23.4		ug/L		94	21 - 150
4-Nitrophenol	50.0	37.2		ug/L		74	10 - 150
N-Nitrosodimethylamine	25.0	17.5		ug/L		70	10 - 136
N-Nitrosodi-n-propylamine	25.0	17.6		ug/L		70	53 - 134
N-Nitrosodiphenylamine	24.8	15.8		ug/L		64	62 - 132
Pentachlorophenol	50.0	38.8		ug/L		78	16 - 150
Phenol	25.0	24.6		ug/L		98	10 - 150
Pyridine	50.0	15.3		ug/L		31	10 - 150
Quinoline	49.9	32.9		ug/L		66	50 - 150
2,4,5-Trichlorophenol	25.0	19.0		ug/L		76	10 - 150
2,4,6-Trichlorophenol	25.0	19.6		ug/L		79	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*15 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Terphenyl-d14	*67*		*43 - 147*
2-Fluorobiphenyl	*71*		*15 - 150*
2-Fluorophenol	*112*		*10 - 150*
Nitrobenzene-d5	*86*		*50 - 150*
Phenol-d5	*108*		*10 - 150*
Terphenyl-d14	*67*		*43 - 147*
2,4,6-Tribromophenol	*100*		*10 - 150*

Lab Sample ID: LCS 400-707103/4-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	25.5		ug/L		51	10 - 150

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

Lab Sample ID: LCS 400-707103/4-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707103

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	75		15 - 150
2-Fluorophenol	122		10 - 150
Nitrobenzene-d5	89		50 - 150
Phenol-d5	115		10 - 150
Terphenyl-d14	73		43 - 147
2,4,6-Tribromophenol	93		10 - 150

Lab Sample ID: LCSD 400-707103/3-A
Matrix: Water
Analysis Batch: 707228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	14.5		ug/L		58	44 - 122	1	40
Aniline			25.0	12.3		ug/L		49	10 - 150	1	40
Acenaphthylene			25.0	15.1		ug/L		60	42 - 125	2	40
Anthracene			25.0	15.9		ug/L		64	51 - 136	0	40
Benzoic acid			214	177		ug/L		83	10 - 180	4	40
Benzo[a]anthracene			25.0	15.7		ug/L		63	50 - 138	2	40
Benzo[a]pyrene			25.0	15.5		ug/L		62	53 - 134	2	40
Bis(2-chloroethoxy)methane			25.0	20.5		ug/L		82	60 - 123	2	40
Benzo[b]fluoranthene			25.0	17.3		ug/L		69	50 - 134	1	40
Bis(2-chloroethyl)ether			25.0	16.2		ug/L		65	45 - 127	1	40
Benzo[g,h,i]perylene			25.0	14.8		ug/L		59	42 - 138	1	40
bis (2-chloroisopropyl) ether			25.0	15.9		ug/L		63	10 - 150	3	40
Benzo[k]fluoranthene			25.0	14.8		ug/L		59	55 - 136	2	40
Bis(2-ethylhexyl) phthalate			25.0	18.7		ug/L		75	10 - 147	2	40
4-Bromophenyl phenyl ether			25.0	14.5		ug/L		58	50 - 126	1	40
Chrysene			25.0	15.2		ug/L		61	53 - 141	1	40
Butyl benzyl phthalate			25.0	16.0		ug/L		64	36 - 137	9	40
Dibenz(a,h)anthracene			25.0	15.4		ug/L		62	41 - 139	0	40
4-Chloroaniline			25.0	13.2		ug/L		53	10 - 150	3	40
Fluoranthene			25.0	15.1		ug/L		60	49 - 141	2	40
4-Chloro-3-methylphenol			25.0	22.3		ug/L		89	14 - 150	4	40
Fluorene			25.0	15.7		ug/L		63	41 - 136	2	40
2-Chloronaphthalene			25.0	17.1		ug/L		68	44 - 122	8	40
2-Chlorophenol			25.0	19.1		ug/L		77	10 - 150	3	40
Indeno[1,2,3-cd]pyrene			25.0	15.3		ug/L		61	30 - 150	1	40
1-Methylnaphthalene			25.0	15.7		ug/L		63	36 - 117	2	40
4-Chlorophenyl phenyl ether			25.0	14.4		ug/L		58	51 - 125	3	40
2-Methylnaphthalene			25.0	16.0		ug/L		64	31 - 115	2	40
Dibenz[a,h]acridine			49.9	32.3		ug/L		65	50 - 150	3	40
Dibenzofuran			25.0	16.2		ug/L		65	55 - 125	2	40
3,3'-Dichlorobenzidine			33.3	19.1		ug/L		57	10 - 150	8	40
Phenanthrene			25.0	15.6		ug/L		63	50 - 133	2	40
2,4-Dichlorophenol			25.0	20.4		ug/L		82	11 - 150	2	40
Pyrene			25.0	15.1		ug/L		60	46 - 149	2	40
Diethyl phthalate			25.0	15.5		ug/L		62	61 - 130	3	40
2,4-Dimethylphenol			25.0	14.7		ug/L		59	5 - 150	8	40

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

Lab Sample ID: LCSD 400-707103/3-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethyl phthalate			25.0	14.1		ug/L		56	55 - 139	5	40
Di-n-butyl phthalate			25.0	16.4		ug/L		66	50 - 150	1	40
4,6-Dinitro-ortho-cresol			50.0	27.3		ug/L		55	10 - 150	10	40
2,4-Dinitrophenol			50.0	20.0	J	ug/L		40	10 - 150	26	40
2,4-Dinitrotoluene			25.0	19.6		ug/L		78	46 - 137	3	40
2,6-Dinitrotoluene			25.0	21.9		ug/L		87	35 - 150	5	40
Di-n-octyl phthalate			25.0	20.2		ug/L		81	10 - 150	2	40
1,4-Dioxane			25.0	15.6		ug/L		62	10 - 137	3	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	16.1	I	ug/L		65	49 - 125	5	40
Hexachlorobenzene			25.0	16.0		ug/L		64	53 - 126	1	40
Hexachlorocyclopentadiene			25.0	17.7	J	ug/L		71	10 - 150	6	40
Hexachloroethane			25.0	14.4		ug/L		58	10 - 112	2	40
Indene			50.0	39.3		ug/L		79	50 - 150	37	40
Isophorone			25.0	15.8		ug/L		63	51 - 125	0	40
2-Methylphenol			25.0	16.6		ug/L		66	42 - 120	10	40
3 & 4 Methylphenol			25.0	21.7	I	ug/L		87	10 - 150	14	40
2-Nitroaniline			25.0	21.0		ug/L		84	10 - 150	5	40
3-Nitroaniline			25.0	22.0		ug/L		88	10 - 150	1	40
4-Nitroaniline			25.0	25.8		ug/L		103	10 - 144	4	40
Nitrobenzene			25.0	17.8		ug/L		71	57 - 138	1	40
2-Nitrophenol			25.0	24.1		ug/L		96	21 - 150	3	40
4-Nitrophenol			50.0	40.3		ug/L		81	10 - 150	8	40
N-Nitrosodimethylamine			25.0	17.1		ug/L		68	10 - 136	3	40
N-Nitrosodi-n-propylamine			25.0	18.0		ug/L		72	53 - 134	3	40
N-Nitrosodiphenylamine			24.8	16.3		ug/L		66	62 - 132	3	40
Pentachlorophenol			50.0	39.1		ug/L		78	16 - 150	1	40
Phenol			25.0	22.4		ug/L		89	10 - 150	10	40
Pyridine			50.0	15.1		ug/L		30	10 - 150	1	40
Quinoline			49.9	33.7		ug/L		68	50 - 150	2	40
2,4,5-Trichlorophenol			25.0	20.0		ug/L		80	10 - 150	5	40
2,4,6-Trichlorophenol			25.0	19.3		ug/L		77	50 - 150	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*15 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Terphenyl-d14	*65*		*43 - 147*
2-Fluorobiphenyl	*70*		*15 - 150*
2-Fluorophenol	*109*		*10 - 150*
Nitrobenzene-d5	*84*		*50 - 150*
Phenol-d5	*105*		*10 - 150*
Terphenyl-d14	*65*		*43 - 147*
2,4,6-Tribromophenol	*92*		*10 - 150*

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

Lab Sample ID: LCSD 400-707103/5-A
Matrix: Water
Analysis Batch: 707229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	21.8		ug/L		44	10 - 150	15	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 150*
2-Fluorophenol	*125*		*10 - 150*
Nitrobenzene-d5	*94*		*50 - 150*
Phenol-d5	*103*		*10 - 150*
Terphenyl-d14	*81*		*43 - 147*
2,4,6-Tribromophenol	*100*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706977/1-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/24/25 13:14	04/24/25 15:30	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/24/25 13:14	04/24/25 15:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*04/24/25 13:14*	*04/24/25 15:30*	*1*

Lab Sample ID: LCS 400-706977/2-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane			0.101	0.0749		ug/L		74	60 - 140
1,2-Dibromoethane			0.100	0.0993		ug/L		99	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*66*		*51 - 149*

Lab Sample ID: LCSD 400-706977/3-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0742		ug/L		74	60 - 140	1	30
1,2-Dibromoethane			0.100	0.106		ug/L		106	60 - 140	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*69*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/18/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.1.2	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 – 3.1.2

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 1Q25 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

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

REQUESTED ANALYSIS
60738191 – 3.1.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

400-274568 Chain of Custody

PID Readings
tory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS	
	TB-ROX-041825-8260-SS	4/18/2025	0000	Water	2					2	X				SPLIT REPORT
	TB-ROX-041825-8011-SS	4/18/2025	0000	Water	2					2		X			SPLIT REPORT
	P93B-ROX-041825	4/18/2025	12:30	Water	6			4		10	X	X	X	X	SPLIT REPORT

4/18/25

	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Tony Jones	FEDEX: 4234 9598 5794, 4234 9598 5783	4/18/2025	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/19/25	Time: 9:40

Version: 19Sept24

CUSTODY SEALS: 1142214, 1142215, 1142210, 1142211

0.4 °C, 0.4, 1.2 °C INT

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5/5/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274568-1

Login Number: 274568
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	0.4°C, 0.4°C, 1.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274568-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274570-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/14/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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/LCSD 400-706851/2-A / 400-706851/3-A	SVOCs	Quinoline	**47**/52	10	50-150/40
LCS/LCSD 400-706851/4-A /	SVOCs	Benzenethiol	42/28	**41**	10-150/40

Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-041725	SVOCs	Quinoline	**UJ**
P93A-ROX-041725	SVOCs	Quinoline	**UJ**

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
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.
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.

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.

Method 8270E (SVOCs)

The continuing calibration verifications (CCV) for several analytes, were outside evaluation criteria, biased low.

Method 8011 (VOCs)

The continuous calibration verifications (CCVs) for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane were outside evaluation criteria, biased low. Trip blanks are quality control samples and do not require qualification.

Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-041725	SVOCs	Pyridine	**UJ**
P93A-ROX-041725	SVOCs	Pyridine	**UJ**
P93C-ROX-041725	SVOCs	Phenol	**UJ**
P93C-ROX-041725	SVOCs	Aniline	**UJ**
P93A-ROX-041725	SVOCs	Aniline	**UJ**
P93C-ROX-041725	SVOCs	Benzyl alcohol	**UJ**
P93A-ROX-041725	SVOCs	Benzyl alcohol	**UJ**
P93C-ROX-041725	SVOCs	2-Methylphenol	**UJ**
P93A-ROX-041725	SVOCs	2-Methylphenol	**UJ**
P93C-ROX-041725	SVOCs	2,4-Dimethylphenol	**UJ**
P93A-ROX-041725	SVOCs	2,4-Dimethylphenol	**UJ**
P93C-ROX-041725	SVOCs	4-Chloro-3-methylphenol	**UJ**
P93A-ROX-041725	SVOCs	4-Chloro-3-methylphenol	**UJ**
P93C-ROX-041725	SVOCs	4-Nitrophenol	**UJ**
P93A-ROX-041725	SVOCs	4-Nitrophenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P93C-ROX-041725	VOCs by 8011	1,2-Dibromoethane			**UJ**
P93A-ROX-041725	VOCs by 8011	1,2-Dibromoethane			**UJ**
P93C-ROX-041725	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**UJ**
P93A-ROX-041725	VOCs by 8011	1,2-Dibromo-3-Chloropropane			**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 5/12/2025 11:04:08 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274570-1

Reviewed 7/16/2025
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
400-274570-1

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 4/19/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 0.4°C, 1.2°C and 3.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707579 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707579/2).

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-041725-8260-SS (400-274570-1), P93C-ROX-041725 (400-274570-3) and P93A-ROX-041725 (400-274570-4). 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: P93C-ROX-041725 (400-274570-3) and P93A-ROX-041725 (400-274570-4). 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 400-702879 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 400-708164 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate and Hexachlorocyclopentadiene. 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 400-708164 recovered outside acceptance criteria, low biased, for 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Aniline, Benzyl alcohol, Dibenz[a,h]acridine, Phenol and Pyridine. 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-706851 and analytical batch 400-708164 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270E_QQQ: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-706851 and analytical batch 400-707859: Quinoline. 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 400-707859 recovered outside acceptance criteria, low biased, for 2-Methylphenol, Benzyl alcohol, Dibenz[a,h]acridine and Phenol. 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 continuing calibration verification (CCV) associated with batch 400-707859 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate, Hexachlorocyclopentadiene and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-706915 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. 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 8011: The continuing calibration verification (CCV) associated with batch 400-706915 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. 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.

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: 400-274570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274570-1	TB-ROX-041725-8260-SS	Water	04/17/25 00:00	04/19/25 09:40
400-274570-2	TB-ROX-041725-8011-SS	Water	04/17/25 00:00	04/19/25 09:40
400-274570-3	P93C-ROX-041725	Water	04/17/25 12:10	04/19/25 09:40
400-274570-4	P93A-ROX-041725	Water	04/17/25 13:00	04/19/25 09:40

Detection Summary

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260-SS — Lab Sample ID: 400-274570-1

No Detections.

Client Sample ID: TB-ROX-041725-8011-SS — Lab Sample ID: 400-274570-2

No Detections.

Client Sample ID: P93C-ROX-041725 — Lab Sample ID: 400-274570-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	250		2.0	1.0	ug/L	2		8260D	Total/NA
Methyl tert-butyl ether	0.44	J	2.0	0.44	ug/L	2		8260D	Total/NA

Client Sample ID: P93A-ROX-041725 — Lab Sample ID: 400-274570-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	49000		500	250	ug/L	500		8260D	Total/NA
Acenaphthene	0.088	J	0.20	0.084	ug/L	1		8270E	Total/NA
Fluorene	0.11	J	0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	3.7		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.36		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.049	J	0.20	0.044	ug/L	1		8270E	Total/NA
Phenol - RA	37	I	9.9	0.27	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260-SS
Lab Sample ID: 400-274570-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 15:40	1
Acrolein	ND		20	3.3	ug/L			04/30/25 15:40	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 15:40	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 15:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 15:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 15:40	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 15:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 15:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 15:40	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 15:40	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 15:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 15:40	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 15:40	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 15:40	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 15:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 15:40	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 15:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 15:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 15:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 15:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 15:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 15:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 15:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 15:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 15:40	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 15:40	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 15:40	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 15:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 15:40	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 15:40	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:40	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 15:40	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 15:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 15:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 15:40	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 15:40	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 15:40	1

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260-SS
Lab Sample ID: 400-274570-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 15:40	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 15:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 15:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 15:40	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:40	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 15:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 15:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 15:40	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 15:40	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 15:40	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 15:40	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 15:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 15:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 15:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 15:40	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 15:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 15:40	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/30/25 15:40*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*04/30/25 15:40*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/30/25 15:40*	*1*

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8011-SS
Lab Sample ID: 400-274570-2
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.017	ug/L		04/24/25 13:14	04/24/25 18:20	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/24/25 13:14	04/24/25 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*53*		*51 - 149*	*04/24/25 13:14*	*04/24/25 18:20*	*1*

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93C-ROX-041725
Lab Sample ID: 400-274570-3
Date Collected: 04/17/25 12:10
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 20:06	2
Acrolein	ND		40	6.6	ug/L			04/30/25 20:06	2
Acrylonitrile	ND		20	5.6	ug/L			04/30/25 20:06	2
Benzene	**250**		2.0	1.0	ug/L			04/30/25 20:06	2
Bromobenzene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
Bromochloromethane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Bromodichloromethane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Bromoform	ND		10	0.50	ug/L			04/30/25 20:06	2
Bromomethane	ND		2.0	2.0	ug/L			04/30/25 20:06	2
2-Butanone (MEK)	ND		50	5.2	ug/L			04/30/25 20:06	2
Carbon disulfide	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Carbon tetrachloride	ND		2.0	0.38	ug/L			04/30/25 20:06	2
Chlorobenzene	ND		2.0	0.84	ug/L			04/30/25 20:06	2
Chloroethane	ND		2.0	1.5	ug/L			04/30/25 20:06	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			04/30/25 20:06	2
Chloroform	ND		2.0	1.8	ug/L			04/30/25 20:06	2
1-Chlorohexane	ND		2.0	0.64	ug/L			04/30/25 20:06	2
Chloromethane	ND		2.0	0.80	ug/L			04/30/25 20:06	2
cis-1,2-Dichloroethene	ND		2.0	0.40	ug/L			04/30/25 20:06	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			04/30/25 20:06	2
Dibromochloromethane	ND		2.0	0.48	ug/L			04/30/25 20:06	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			04/30/25 20:06	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			04/30/25 20:06	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			04/30/25 20:06	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
1,2-Dichloroethane	ND		2.0	1.1	ug/L			04/30/25 20:06	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			04/30/25 20:06	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
1,1-Dichloropropene	ND		2.0	0.18	ug/L			04/30/25 20:06	2
Ethylbenzene	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			04/30/25 20:06	2
Hexachlorobutadiene	ND		10	1.8	ug/L			04/30/25 20:06	2
2-Hexanone	ND		50	8.5	ug/L			04/30/25 20:06	2
Isopropylbenzene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
Methylene bromide	ND		10	0.44	ug/L			04/30/25 20:06	2
Methylene Chloride	ND		10	6.0	ug/L			04/30/25 20:06	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			04/30/25 20:06	2
Methyl tert-butyl ether	**0.44**	**J**	2.0	0.44	ug/L			04/30/25 20:06	2
m-Xylene & p-Xylene	ND		10	6.0	ug/L			04/30/25 20:06	2
Naphthalene	ND		10	6.0	ug/L			04/30/25 20:06	2
n-Butylbenzene	ND		2.0	1.5	ug/L			04/30/25 20:06	2
N-Propylbenzene	ND		2.0	1.4	ug/L			04/30/25 20:06	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
o-Xylene	ND		10	6.0	ug/L			04/30/25 20:06	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
p-Isopropyltoluene	ND		2.0	1.4	ug/L			04/30/25 20:06	2

Client Sample ID: P93C-ROX-041725
Lab Sample ID: 400-274570-3
Date Collected: 04/17/25 12:10
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0	1.4	ug/L			04/30/25 20:06	2
Styrene	ND		2.0	2.0	ug/L			04/30/25 20:06	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			04/30/25 20:06	2
1,1,1,2-Tetrachloroethane	ND		2.0	0.76	ug/L			04/30/25 20:06	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Tetrachloroethene	ND		2.0	0.66	ug/L			04/30/25 20:06	2
Toluene	ND		2.0	1.8	ug/L			04/30/25 20:06	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/30/25 20:06	2
trans-1,3-Dichloropropene	ND		10	0.40	ug/L			04/30/25 20:06	2
1,2,3-Trichlorobenzene	ND		2.0	1.8	ug/L			04/30/25 20:06	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			04/30/25 20:06	2
1,1,1-Trichloroethane	ND		2.0	0.36	ug/L			04/30/25 20:06	2
1,1,2-Trichloroethane	ND		10	0.42	ug/L			04/30/25 20:06	2
Trichloroethene	ND		2.0	0.30	ug/L			04/30/25 20:06	2
Trichlorofluoromethane	ND		2.0	0.50	ug/L			04/30/25 20:06	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			04/30/25 20:06	2
1,2,4-Trimethylbenzene	ND		2.0	1.6	ug/L			04/30/25 20:06	2
1,3,5-Trimethylbenzene	ND		2.0	1.1	ug/L			04/30/25 20:06	2
Vinyl acetate	ND		50	1.9	ug/L			04/30/25 20:06	2
Vinyl chloride	ND		2.0	1.0	ug/L			04/30/25 20:06	2
Xylenes, Total	ND		20	12	ug/L			04/30/25 20:06	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 20:06*	*2*
Dibromofluoromethane	*107*		*79 - 130*		*04/30/25 20:06*	*2*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/30/25 20:06*	*2*

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		04/23/25 16:06	05/06/25 05:29	1
Aniline	ND	UJ	10	0.74	ug/L		04/23/25 16:06	05/06/25 05:29	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzenethiol	ND	*1	10	0.60	ug/L		04/23/25 16:06	05/06/25 05:29	1
Anthracene	ND		0.20	0.073	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzoic acid	ND		30	27	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzyl alcohol	ND	UJ	10	1.9	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/23/25 16:06	05/06/25 05:29	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/23/25 16:06	05/06/25 05:29	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/23/25 16:06	05/06/25 05:29	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/23/25 16:06	05/06/25 05:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/06/25 05:29	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/23/25 16:06	05/06/25 05:29	1
Chrysene	ND		0.20	0.039	ug/L		04/23/25 16:06	05/06/25 05:29	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Chloroaniline	ND		10	0.28	ug/L		04/23/25 16:06	05/06/25 05:29	1

Client Sample ID: P93C-ROX-041725
Lab Sample ID: 400-274570-3
Date Collected: 04/17/25 12:10
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Chloro-3-methylphenol	ND	UJ	10	0.73	ug/L		04/23/25 16:06	05/06/25 05:29	1
Fluorene	ND		0.20	0.087	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Chlorophenol	ND		10	0.22	ug/L		04/23/25 16:06	05/06/25 05:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/06/25 05:29	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/23/25 16:06	05/06/25 05:29	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/23/25 16:06	05/06/25 05:29	1
Dibenzofuran	ND		10	0.15	ug/L		04/23/25 16:06	05/06/25 05:29	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/23/25 16:06	05/06/25 05:29	1
Phenanthrene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/23/25 16:06	05/06/25 05:29	1
Pyrene	ND		0.20	0.095	ug/L		04/23/25 16:06	05/06/25 05:29	1
Diethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4-Dimethylphenol	ND	UJ	10	0.24	ug/L		04/23/25 16:06	05/06/25 05:29	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/23/25 16:06	05/06/25 05:29	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/06/25 05:29	1
1,4-Dioxane	ND		10	0.070	ug/L		04/23/25 16:06	05/06/25 05:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/23/25 16:06	05/06/25 05:29	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/23/25 16:06	05/06/25 05:29	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/23/25 16:06	05/06/25 05:29	1
Hexachloroethane	ND		10	0.53	ug/L		04/23/25 16:06	05/06/25 05:29	1
Indene	ND		10	0.44	ug/L		04/23/25 16:06	05/06/25 05:29	1
Isophorone	ND		10	0.80	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Methylphenol	ND	UJ	10	0.30	ug/L		04/23/25 16:06	05/06/25 05:29	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Nitroaniline	ND		10	1.4	ug/L		04/23/25 16:06	05/06/25 05:29	1
3-Nitroaniline	ND		10	0.95	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Nitroaniline	ND		10	1.2	ug/L		04/23/25 16:06	05/06/25 05:29	1
Nitrobenzene	ND		10	0.60	ug/L		04/23/25 16:06	05/06/25 05:29	1
2-Nitrophenol	ND		10	1.2	ug/L		04/23/25 16:06	05/06/25 05:29	1
4-Nitrophenol	ND	UJ	10	2.7	ug/L		04/23/25 16:06	05/06/25 05:29	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/23/25 16:06	05/06/25 05:29	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/23/25 16:06	05/06/25 05:29	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/25 16:06	05/06/25 05:29	1
Pentachlorophenol	ND		10	0.41	ug/L		04/23/25 16:06	05/06/25 05:29	1
Phenol	ND	UJ	10	0.27	ug/L		04/23/25 16:06	05/06/25 05:29	1
Pyridine	ND	UJ	10	0.64	ug/L		04/23/25 16:06	05/06/25 05:29	1
Quinoline	ND	*- UJ	10	0.50	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/23/25 16:06	05/06/25 05:29	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/23/25 16:06	05/06/25 05:29	1

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93C-ROX-041725
Lab Sample ID: 400-274570-3
Date Collected: 04/17/25 12:10
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		15 - 150	04/23/25 16:06	05/06/25 05:29	1
Nitrobenzene-d5	84		50 - 150	04/23/25 16:06	05/06/25 05:29	1
Terphenyl-d14	77		43 - 147	04/23/25 16:06	05/06/25 05:29	1
2-Fluorobiphenyl	74		15 - 150	04/23/25 16:06	05/06/25 05:29	1
2-Fluorophenol	105		10 - 150	04/23/25 16:06	05/06/25 05:29	1
Nitrobenzene-d5	84		50 - 150	04/23/25 16:06	05/06/25 05:29	1
Phenol-d5	82		10 - 150	04/23/25 16:06	05/06/25 05:29	1
Terphenyl-d14	77		43 - 147	04/23/25 16:06	05/06/25 05:29	1
2,4,6-Tribromophenol	70		10 - 150	04/23/25 16:06	05/06/25 05:29	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.030	0.017	ug/L		04/24/25 13:14	04/24/25 18:42	1
1,2-Dibromoethane	ND	UJ	0.020	0.015	ug/L		04/24/25 13:14	04/24/25 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	54		51 - 149	04/24/25 13:14	04/24/25 18:42	1

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93A-ROX-041725
Lab Sample ID: 400-274570-4
Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		13000	5000	ug/L			04/30/25 21:25	500
Acrolein	ND		10000	1700	ug/L			04/30/25 21:25	500
Acrylonitrile	ND		5000	1400	ug/L			04/30/25 21:25	500
Benzene	**49000**		500	250	ug/L			04/30/25 21:25	500
Bromobenzene	ND		500	270	ug/L			04/30/25 21:25	500
Bromochloromethane	ND		500	260	ug/L			04/30/25 21:25	500
Bromodichloromethane	ND		500	250	ug/L			04/30/25 21:25	500
Bromoform	ND		2500	130	ug/L			04/30/25 21:25	500
Bromomethane	ND		500	490	ug/L			04/30/25 21:25	500
2-Butanone (MEK)	ND		13000	1300	ug/L			04/30/25 21:25	500
Carbon disulfide	ND		500	250	ug/L			04/30/25 21:25	500
Carbon tetrachloride	ND		500	95	ug/L			04/30/25 21:25	500
Chlorobenzene	ND		500	210	ug/L			04/30/25 21:25	500
Chloroethane	ND		500	380	ug/L			04/30/25 21:25	500
2-Chloroethyl vinyl ether	ND		2500	1000	ug/L			04/30/25 21:25	500
Chloroform	ND		500	450	ug/L			04/30/25 21:25	500
1-Chlorohexane	ND		500	160	ug/L			04/30/25 21:25	500
Chloromethane	ND		500	200	ug/L			04/30/25 21:25	500
cis-1,2-Dichloroethene	ND		500	100	ug/L			04/30/25 21:25	500
cis-1,3-Dichloropropene	ND		2500	250	ug/L			04/30/25 21:25	500
Dibromochloromethane	ND		500	120	ug/L			04/30/25 21:25	500
1,2-Dichlorobenzene	ND		500	250	ug/L			04/30/25 21:25	500
1,3-Dichlorobenzene	ND		500	270	ug/L			04/30/25 21:25	500
1,4-Dichlorobenzene	ND		500	320	ug/L			04/30/25 21:25	500
Dichlorodifluoromethane	ND		500	430	ug/L			04/30/25 21:25	500
1,1-Dichloroethane	ND		500	250	ug/L			04/30/25 21:25	500
1,2-Dichloroethane	ND		500	280	ug/L			04/30/25 21:25	500
1,1-Dichloroethene	ND		500	250	ug/L			04/30/25 21:25	500
1,2-Dichloropropane	ND		500	250	ug/L			04/30/25 21:25	500
1,3-Dichloropropane	ND		500	250	ug/L			04/30/25 21:25	500
2,2-Dichloropropane	ND		500	250	ug/L			04/30/25 21:25	500
1,1-Dichloropropene	ND		500	45	ug/L			04/30/25 21:25	500
Ethylbenzene	ND		500	250	ug/L			04/30/25 21:25	500
Ethyl methacrylate	ND		500	300	ug/L			04/30/25 21:25	500
Hexachlorobutadiene	ND		2500	450	ug/L			04/30/25 21:25	500
2-Hexanone	ND		13000	2100	ug/L			04/30/25 21:25	500
Isopropylbenzene	ND		500	270	ug/L			04/30/25 21:25	500
Methylene bromide	ND		2500	110	ug/L			04/30/25 21:25	500
Methylene Chloride	ND		2500	1500	ug/L			04/30/25 21:25	500
4-Methyl-2-pentanone (MIBK)	ND		13000	900	ug/L			04/30/25 21:25	500
Methyl tert-butyl ether	ND		500	110	ug/L			04/30/25 21:25	500
m-Xylene & p-Xylene	ND		2500	1500	ug/L			04/30/25 21:25	500
Naphthalene	ND		2500	1500	ug/L			04/30/25 21:25	500
n-Butylbenzene	ND		500	380	ug/L			04/30/25 21:25	500
N-Propylbenzene	ND		500	350	ug/L			04/30/25 21:25	500
o-Chlorotoluene	ND		500	290	ug/L			04/30/25 21:25	500
o-Xylene	ND		2500	1500	ug/L			04/30/25 21:25	500
p-Chlorotoluene	ND		500	280	ug/L			04/30/25 21:25	500
p-Isopropyltoluene	ND		500	360	ug/L			04/30/25 21:25	500

Client Sample ID: P93A-ROX-041725
Lab Sample ID: 400-274570-4
Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		500	350	ug/L			04/30/25 21:25	500
Styrene	ND		500	500	ug/L			04/30/25 21:25	500
tert-Butylbenzene	ND		500	320	ug/L			04/30/25 21:25	500
1,1,1,2-Tetrachloroethane	ND		500	190	ug/L			04/30/25 21:25	500
1,1,2,2-Tetrachloroethane	ND		500	250	ug/L			04/30/25 21:25	500
Tetrachloroethene	ND		500	170	ug/L			04/30/25 21:25	500
Toluene	ND		500	450	ug/L			04/30/25 21:25	500
trans-1,2-Dichloroethene	ND		500	250	ug/L			04/30/25 21:25	500
trans-1,3-Dichloropropene	ND		2500	100	ug/L			04/30/25 21:25	500
1,2,3-Trichlorobenzene	ND		500	450	ug/L			04/30/25 21:25	500
1,2,4-Trichlorobenzene	ND		500	410	ug/L			04/30/25 21:25	500
1,1,1-Trichloroethane	ND		500	90	ug/L			04/30/25 21:25	500
1,1,2-Trichloroethane	ND		2500	110	ug/L			04/30/25 21:25	500
Trichloroethene	ND		500	75	ug/L			04/30/25 21:25	500
Trichlorofluoromethane	ND		500	130	ug/L			04/30/25 21:25	500
1,2,3-Trichloropropane	ND		2500	420	ug/L			04/30/25 21:25	500
1,2,4-Trimethylbenzene	ND		500	410	ug/L			04/30/25 21:25	500
1,3,5-Trimethylbenzene	ND		500	280	ug/L			04/30/25 21:25	500
Vinyl acetate	ND		13000	470	ug/L			04/30/25 21:25	500
Vinyl chloride	ND		500	250	ug/L			04/30/25 21:25	500
Xylenes, Total	ND		5000	3000	ug/L			04/30/25 21:25	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 21:25*	*500*
Dibromofluoromethane	*106*		*79 - 130*		*04/30/25 21:25*	*500*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/30/25 21:25*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.088**	J	0.20	0.084	ug/L		04/23/25 16:06	05/06/25 05:59	1
Aniline	ND	UJ	9.9	0.73	ug/L		04/23/25 16:06	05/06/25 05:59	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzenethiol	ND	*1	9.9	0.59	ug/L		04/23/25 16:06	05/06/25 05:59	1
Anthracene	ND		0.20	0.072	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzoic acid	ND		30	27	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzyl alcohol	ND	UJ	9.9	1.8	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/23/25 16:06	05/06/25 05:59	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/23/25 16:06	05/06/25 05:59	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/23/25 16:06	05/06/25 05:59	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/23/25 16:06	05/06/25 05:59	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/06/25 05:59	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/23/25 16:06	05/06/25 05:59	1
Chrysene	ND		0.20	0.039	ug/L		04/23/25 16:06	05/06/25 05:59	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/23/25 16:06	05/06/25 05:59	1

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93A-ROX-041725
Lab Sample ID: 400-274570-4
Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Chloro-3-methylphenol	ND	UJ	9.9	0.72	ug/L		04/23/25 16:06	05/06/25 05:59	1
Fluorene	**0.11**	**J**	0.20	0.086	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/23/25 16:06	05/06/25 05:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/06/25 05:59	1
1-Methylnaphthalene	**3.7**		0.20	0.065	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Methylnaphthalene	**0.36**		0.20	0.076	ug/L		04/23/25 16:06	05/06/25 05:59	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		04/23/25 16:06	05/06/25 05:59	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/23/25 16:06	05/06/25 05:59	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/23/25 16:06	05/06/25 05:59	1
Phenanthrene	**0.049**	**J**	0.20	0.044	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/23/25 16:06	05/06/25 05:59	1
Pyrene	ND		0.20	0.094	ug/L		04/23/25 16:06	05/06/25 05:59	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4-Dimethylphenol	ND	UJ	9.9	0.24	ug/L		04/23/25 16:06	05/06/25 05:59	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/23/25 16:06	05/06/25 05:59	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:06	05/06/25 05:59	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/23/25 16:06	05/06/25 05:59	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/23/25 16:06	05/06/25 05:59	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/23/25 16:06	05/06/25 05:59	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/23/25 16:06	05/06/25 05:59	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/23/25 16:06	05/06/25 05:59	1
Indene	ND		9.9	0.44	ug/L		04/23/25 16:06	05/06/25 05:59	1
Isophorone	ND		9.9	0.79	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/23/25 16:06	05/06/25 05:59	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/23/25 16:06	05/06/25 05:59	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/23/25 16:06	05/06/25 05:59	1
Nitrobenzene	ND		9.9	0.59	ug/L		04/23/25 16:06	05/06/25 05:59	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/23/25 16:06	05/06/25 05:59	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/23/25 16:06	05/06/25 05:59	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/23/25 16:06	05/06/25 05:59	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/23/25 16:06	05/06/25 05:59	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/23/25 16:06	05/06/25 05:59	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/23/25 16:06	05/06/25 05:59	1
Pyridine	ND	UJ	9.9	0.63	ug/L		04/23/25 16:06	05/06/25 05:59	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/23/25 16:06	05/06/25 05:59	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/23/25 16:06	05/06/25 05:59	1

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P93A-ROX-041725
Lab Sample ID: 400-274570-4
Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		15 - 150	04/23/25 16:06	05/06/25 05:59	1
Nitrobenzene-d5	94		50 - 150	04/23/25 16:06	05/06/25 05:59	1
Terphenyl-d14	78		43 - 147	04/23/25 16:06	05/06/25 05:59	1
2-Fluorobiphenyl	79		15 - 150	04/23/25 16:06	05/06/25 05:59	1
2-Fluorophenol	103		10 - 150	04/23/25 16:06	05/06/25 05:59	1
Nitrobenzene-d5	94		50 - 150	04/23/25 16:06	05/06/25 05:59	1
Phenol-d5	54		10 - 150	04/23/25 16:06	05/06/25 05:59	1
Terphenyl-d14	78		43 - 147	04/23/25 16:06	05/06/25 05:59	1
2,4,6-Tribromophenol	49		10 - 150	04/23/25 16:06	05/06/25 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	37	I	9.9	0.27	ug/L		04/23/25 16:06	05/09/25 16:12	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	UJ	0.031	0.018	ug/L		04/24/25 13:14	04/24/25 19:24	1
1,2-Dibromoethane	ND	UJ	0.021	0.016	ug/L		04/24/25 13:14	04/24/25 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	60		51 - 149	04/24/25 13:14	04/24/25 19:24	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
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: 400-274570-1

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)
400-274570-1	TB-ROX-041725-8260-SS	90	110	93
400-274570-3	P93C-ROX-041725	91	107	94
400-274570-4	P93A-ROX-041725	91	106	94
LCS 400-707579/1002	Lab Control Sample	88	108	93
MB 400-707579/4	Method Blank	92	111	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	2FP	NBZ	NBZ	PHL	TPHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(10-150)	(50-150)	(50-150)	(10-150)	(43-147)	(43-147)
400-274570-3	P93C-ROX-041725	74	74	105	84	84	82	77	77
400-274570-4	P93A-ROX-041725	79	79	103	94	94	54	78	78
LCS 400-706851/2-A	Lab Control Sample	75	75	121	93	93	120	68	68
LCS 400-706851/4-A	Lab Control Sample	85	85	123	103	103	93	84	84
LCSD 400-706851/3-A	Lab Control Sample Dup	75	75	121	91	91	121	72	72
LCSD 400-706851/5-A	Lab Control Sample Dup	87	87	125	100	100	92	89	89
MB 400-706851/1-A	Method Blank	83	83	122	105	105	112	63	63

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274570-3	P93C-ROX-041725	70
400-274570-4	P93A-ROX-041725	49
LCS 400-706851/2-A	Lab Control Sample	117
LCS 400-706851/4-A	Lab Control Sample	104
LCSD 400-706851/3-A	Lab Control Sample Dup	110
LCSD 400-706851/5-A	Lab Control Sample Dup	106
MB 400-706851/1-A	Method Blank	114

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-274570-2	TB-ROX-041725-8011-SS	53
400-274570-3	P93C-ROX-041725	54

Surrogate Summary

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB2								
Lab Sample ID	Client Sample ID	(51-149)								
400-274570-4	P93A-ROX-041725	60								
LCS 400-706977/2-A	Lab Control Sample	59								
LCSD 400-706977/3-A	Lab Control Sample Dup	63								
MB 400-706977/1-A	Method Blank	100								

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260-SS
Lab Sample ID: 400-274570-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707579	04/30/25 15:40	CAR	EET PEN

Client Sample ID: TB-ROX-041725-8011-SS
Lab Sample ID: 400-274570-2
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.2 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 18:20	KR	EET PEN

Client Sample ID: P93C-ROX-041725
Lab Sample ID: 400-274570-3
Date Collected: 04/17/25 12:10
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	707579	04/30/25 20:06	CAR	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 05:29	JAW	EET PEN
Total/NA	Prep	3511			29.9 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708165	05/06/25 05:29	JAW	EET PEN
Total/NA	Prep	8011			34.8 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 18:42	KR	EET PEN

Client Sample ID: P93A-ROX-041725
Lab Sample ID: 400-274570-4
Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	5 mL	5 mL	707579	04/30/25 21:25	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 05:59	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708165	05/06/25 05:59	JAW	EET PEN
Total/NA	Prep	3511	RA		30.3 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E	RA	1			708647	05/09/25 16:12	KJA	EET PEN
Total/NA	Prep	8011			33.4 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 19:24	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706851/1-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 14:15	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706851/1-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 14:15	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706977/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:30	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707579/4
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	707579	04/30/25 15:13	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706851/2-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 14:47	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 14:47	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706851/4-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 04:28	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706977/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 15:51	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274570-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707579/1002
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	707579	04/30/25 09:29	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706851/3-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 15:18	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 15:18	S1B	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706851/5-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 04:58	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706977/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	706977	04/24/25 13:14	KR	EET PEN
Total/NA	Analysis	8011		1			706915	04/24/25 16:12	KR	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 707579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-1	TB-ROX-041725-8260-SS	Total/NA	Water	8260D	
400-274570-3	P93C-ROX-041725	Total/NA	Water	8260D	
400-274570-4	P93A-ROX-041725	Total/NA	Water	8260D	
MB 400-707579/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707579/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-3	P93C-ROX-041725	Total/NA	Water	3511	
400-274570-4	P93A-ROX-041725	Total/NA	Water	3511	
400-274570-4 - RA	P93A-ROX-041725	Total/NA	Water	3511	
MB 400-706851/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706851/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706851/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706851/1-A	Method Blank	Total/NA	Water	8270E	706851
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 707859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706851/1-A	Method Blank	Total/NA	Water	8270E	706851
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 708164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-3	P93C-ROX-041725	Total/NA	Water	8270E	706851
400-274570-4	P93A-ROX-041725	Total/NA	Water	8270E	706851
LCS 400-706851/4-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 708165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-3	P93C-ROX-041725	Total/NA	Water	8270E	706851
400-274570-4	P93A-ROX-041725	Total/NA	Water	8270E	706851

Analysis Batch: 708647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-4 - RA	P93A-ROX-041725	Total/NA	Water	8270E	706851

GC Semi VOA

Analysis Batch: 706915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-2	TB-ROX-041725-8011-SS	Total/NA	Water	8011	706977

GC Semi VOA (Continued)

Analysis Batch: 706915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-3	P93C-ROX-041725	Total/NA	Water	8011	706977
400-274570-4	P93A-ROX-041725	Total/NA	Water	8011	706977
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	706977
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	706977
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	706977

Prep Batch: 706977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274570-2	TB-ROX-041725-8011-SS	Total/NA	Water	8011	
400-274570-3	P93C-ROX-041725	Total/NA	Water	8011	
400-274570-4	P93A-ROX-041725	Total/NA	Water	8011	
MB 400-706977/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-706977/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-706977/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/30/25 15:13	1
Acrolein	ND		20	3.3	ug/L			04/30/25 15:13	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 15:13	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 15:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 15:13	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 15:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 15:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 15:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 15:13	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 15:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 15:13	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 15:13	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 15:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 15:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 15:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 15:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 15:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 15:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 15:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 15:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 15:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 15:13	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 15:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 15:13	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 15:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 15:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 15:13	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 15:13	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 15:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 15:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 15:13	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 15:13	1

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 15:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/30/25 15:13	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 15:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 15:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 15:13	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 15:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 15:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 15:13	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 15:13	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 15:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 15:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 15:13	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 15:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/30/25 15:13*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/30/25 15:13*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 15:13*	*1*

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	222		ug/L		111	43 - 150
Acrolein	500	552		ug/L		110	38 - 150
Acrylonitrile	500	574		ug/L		115	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	54.0		ug/L		108	70 - 132
Bromochloromethane	50.0	58.3		ug/L		117	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	45.9		ug/L		92	57 - 140
Bromomethane	50.0	47.2		ug/L		94	10 - 150
2-Butanone (MEK)	200	184		ug/L		92	61 - 145
Carbon disulfide	50.0	55.5		ug/L		111	61 - 137
Carbon tetrachloride	50.0	57.4		ug/L		115	61 - 137
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130
Chloroethane	50.0	56.3		ug/L		113	55 - 141
2-Chloroethyl vinyl ether	50.0	53.6		ug/L		107	10 - 150

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	55.8		ug/L		112	69 - 130
1-Chlorohexane	50.0	56.2		ug/L		112	69 - 130
Chloromethane	50.0	53.9		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	58.6		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	69 - 132
Dibromochloromethane	50.0	51.3		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	67 - 130
1,3-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	40.9		ug/L		82	41 - 146
1,1-Dichloroethane	50.0	58.6		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.2		ug/L		118	69 - 130
1,1-Dichloroethene	50.0	54.9		ug/L		110	63 - 134
1,2-Dichloropropane	50.0	58.7		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	49.5		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.3		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130
Ethyl methacrylate	50.0	45.0		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	60.6		ug/L		121	53 - 140
2-Hexanone	200	208		ug/L		104	65 - 137
Isopropylbenzene	50.0	53.9		ug/L		108	70 - 130
Methylene bromide	50.0	53.2		ug/L		106	70 - 130
Methylene Chloride	50.0	55.6		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	225		ug/L		113	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	51.3		ug/L		103	70 - 130
Naphthalene	50.0	44.8		ug/L		90	47 - 149
n-Butylbenzene	50.0	46.0		ug/L		92	67 - 130
N-Propylbenzene	50.0	51.7		ug/L		103	70 - 130
o-Chlorotoluene	50.0	43.5		ug/L		87	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
p-Chlorotoluene	50.0	48.2		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	51.0		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.1		ug/L		102	66 - 130
Styrene	50.0	52.9		ug/L		106	70 - 130
tert-Butylbenzene	50.0	47.0		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.7		ug/L		83	70 - 131
Tetrachloroethene	50.0	54.8		ug/L		110	65 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	54.4		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	57.0		ug/L		114	60 - 140
1,1,1-Trichloroethane	50.0	54.6		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130
Trichloroethene	50.0	58.8		ug/L		118	70 - 130
Trichlorofluoromethane	50.0	57.7		ug/L		115	65 - 138

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	43.1		ug/L		86	70 - 130
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	50.0	49.1		ug/L		98	69 - 130
Vinyl acetate	100	97.3		ug/L		97	26 - 150
Vinyl chloride	50.0	51.1		ug/L		102	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/23/25 16:06	05/02/25 14:15	1
Aniline	ND		10	0.74	ug/L		04/23/25 16:06	05/02/25 14:15	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzenethiol	ND		10	0.60	ug/L		04/23/25 16:06	05/02/25 14:15	1
Anthracene	ND		0.20	0.073	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzoic acid	ND		30	27	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzyl alcohol	ND		10	1.9	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/23/25 16:06	05/02/25 14:15	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/23/25 16:06	05/02/25 14:15	1
Chrysene	ND		0.20	0.039	ug/L		04/23/25 16:06	05/02/25 14:15	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chloroaniline	ND		10	0.28	ug/L		04/23/25 16:06	05/02/25 14:15	1
Fluoranthene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/23/25 16:06	05/02/25 14:15	1
Fluorene	ND		0.20	0.087	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Chlorophenol	ND		10	0.22	ug/L		04/23/25 16:06	05/02/25 14:15	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/02/25 14:15	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/23/25 16:06	05/02/25 14:15	1

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dibenzofuran	ND		10	0.15	ug/L		04/23/25 16:06	05/02/25 14:15	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/23/25 16:06	05/02/25 14:15	1
Phenanthrene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pyrene	ND		0.20	0.095	ug/L		04/23/25 16:06	05/02/25 14:15	1
Diethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/23/25 16:06	05/02/25 14:15	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
1,4-Dioxane	ND		10	0.070	ug/L		04/23/25 16:06	05/02/25 14:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachloroethane	ND		10	0.53	ug/L		04/23/25 16:06	05/02/25 14:15	1
Indene	ND		10	0.44	ug/L		04/23/25 16:06	05/02/25 14:15	1
Isophorone	ND		10	0.80	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Methylphenol	ND		10	0.30	ug/L		04/23/25 16:06	05/02/25 14:15	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Nitroaniline	ND		10	1.4	ug/L		04/23/25 16:06	05/02/25 14:15	1
3-Nitroaniline	ND		10	0.95	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Nitroaniline	ND		10	1.2	ug/L		04/23/25 16:06	05/02/25 14:15	1
Nitrobenzene	ND		10	0.60	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Nitrophenol	ND		10	1.2	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Nitrophenol	ND		10	2.7	ug/L		04/23/25 16:06	05/02/25 14:15	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/23/25 16:06	05/02/25 14:15	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/23/25 16:06	05/02/25 14:15	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pentachlorophenol	ND		10	0.41	ug/L		04/23/25 16:06	05/02/25 14:15	1
Phenol	ND		10	0.27	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pyridine	ND		10	0.64	ug/L		04/23/25 16:06	05/02/25 14:15	1
Quinoline	ND		10	0.50	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/23/25 16:06	05/02/25 14:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Terphenyl-d14	*63*		*43 - 147*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2-Fluorophenol	*122*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*112*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Terphenyl-d14	*63*		*43 - 147*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2,4,6-Tribromophenol	*114*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*

Lab Sample ID: LCS 400-706851/2-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.1		ug/L		56	44 - 122
Aniline	25.0	7.96	J	ug/L		32	10 - 150
Acenaphthylene	25.0	14.7		ug/L		59	42 - 125
Anthracene	25.0	15.2		ug/L		61	51 - 136
Benzoic acid	214	384	E	ug/L		179	10 - 180
Benzo[a]anthracene	25.0	15.7		ug/L		63	50 - 138
Benzyl alcohol	25.0	6.03	J	ug/L		24	10 - 150
Benzo[a]pyrene	25.0	14.6		ug/L		58	53 - 134
Bis(2-chloroethoxy)methane	25.0	20.3		ug/L		81	60 - 123
Benzo[b]fluoranthene	25.0	16.3		ug/L		65	50 - 134
Bis(2-chloroethyl)ether	25.0	17.2		ug/L		69	45 - 127
Benzo[g,h,i]perylene	25.0	15.4		ug/L		62	42 - 138
bis (2-chloroisopropyl) ether	25.0	17.1		ug/L		68	10 - 150
Benzo[k]fluoranthene	25.0	15.3		ug/L		61	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	18.3		ug/L		73	10 - 147
4-Bromophenyl phenyl ether	25.0	14.5		ug/L		58	50 - 126
Chrysene	25.0	14.9		ug/L		60	53 - 141
Butyl benzyl phthalate	25.0	19.7		ug/L		79	36 - 137
Dibenz(a,h)anthracene	25.0	15.6		ug/L		62	41 - 139
4-Chloroaniline	25.0	9.36	J	ug/L		37	10 - 150
Fluoranthene	25.0	14.7		ug/L		59	49 - 141
4-Chloro-3-methylphenol	25.0	21.4		ug/L		85	14 - 150
Fluorene	25.0	15.7		ug/L		63	41 - 136
2-Chloronaphthalene	25.0	16.9		ug/L		68	44 - 122
2-Chlorophenol	25.0	21.2		ug/L		85	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.7		ug/L		63	30 - 150
1-Methylnaphthalene	25.0	15.2		ug/L		61	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.0		ug/L		56	51 - 125
2-Methylnaphthalene	25.0	15.3		ug/L		61	31 - 115
Dibenz[a,h]acridine	49.9	35.4		ug/L		71	50 - 150
Dibenzofuran	25.0	16.1		ug/L		65	55 - 125
3,3'-Dichlorobenzidine	33.3	17.0		ug/L		51	10 - 150
Phenanthrene	25.0	15.0		ug/L		60	50 - 133
2,4-Dichlorophenol	25.0	19.4		ug/L		78	11 - 150
Pyrene	25.0	15.0		ug/L		60	46 - 149
Diethyl phthalate	25.0	18.0		ug/L		72	61 - 130
2,4-Dimethylphenol	25.0	14.5		ug/L		58	5 - 150
Dimethyl phthalate	25.0	17.9		ug/L		72	55 - 139
Di-n-butyl phthalate	25.0	16.6		ug/L		66	50 - 150

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

Lab Sample ID: LCS 400-706851/2-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-ortho-cresol	50.0	57.3		ug/L		115	10 - 150
2,4-Dinitrophenol	50.0	64.9		ug/L		130	10 - 150
2,4-Dinitrotoluene	25.0	20.4		ug/L		82	46 - 137
2,6-Dinitrotoluene	25.0	22.0		ug/L		88	35 - 150
Di-n-octyl phthalate	25.0	20.0		ug/L		80	10 - 150
1,4-Dioxane	25.0	15.4		ug/L		61	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.8	I	ug/L		63	49 - 125
Hexachlorobenzene	25.0	15.1		ug/L		60	53 - 126
Hexachlorocyclopentadiene	25.0	20.7		ug/L		83	10 - 150
Hexachloroethane	25.0	14.6		ug/L		58	10 - 112
Indene	50.0	29.7		ug/L		59	50 - 150
Isophorone	25.0	16.7		ug/L		67	51 - 125
2-Methylphenol	25.0	16.7		ug/L		67	42 - 120
3 & 4 Methylphenol	25.0	22.0		ug/L		88	10 - 150
2-Nitroaniline	25.0	22.2		ug/L		89	10 - 150
3-Nitroaniline	25.0	22.7		ug/L		91	10 - 150
4-Nitroaniline	25.0	26.2		ug/L		105	10 - 144
Nitrobenzene	25.0	18.4		ug/L		73	57 - 138
2-Nitrophenol	25.0	26.7		ug/L		107	21 - 150
4-Nitrophenol	50.0	42.3		ug/L		85	10 - 150
N-Nitrosodimethylamine	25.0	15.8		ug/L		63	10 - 136
N-Nitrosodi-n-propylamine	25.0	18.5		ug/L		74	53 - 134
N-Nitrosodiphenylamine	24.8	16.6		ug/L		67	62 - 132
Pentachlorophenol	50.0	57.8		ug/L		116	16 - 150
Phenol	25.0	22.6		ug/L		90	10 - 150
Pyridine	50.0	17.3		ug/L		35	10 - 150
Quinoline	49.9	23.5	*-	ug/L		47	50 - 150
2,4,5-Trichlorophenol	25.0	21.0		ug/L		84	10 - 150
2,4,6-Trichlorophenol	25.0	22.1		ug/L		89	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*15 - 150*
Nitrobenzene-d5	*93*		*50 - 150*
Terphenyl-d14	*68*		*43 - 147*
2-Fluorobiphenyl	*75*		*15 - 150*
2-Fluorophenol	*121*		*10 - 150*
Nitrobenzene-d5	*93*		*50 - 150*
Phenol-d5	*120*		*10 - 150*
Terphenyl-d14	*68*		*43 - 147*
2,4,6-Tribromophenol	*117*		*10 - 150*

Lab Sample ID: LCS 400-706851/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzenethiol	50.0	21.0		ug/L		42	10 - 150

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

Lab Sample ID: LCS 400-706851/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	85		15 - 150
2-Fluorophenol	123		10 - 150
Nitrobenzene-d5	103		50 - 150
Phenol-d5	93		10 - 150
Terphenyl-d14	84		43 - 147
2,4,6-Tribromophenol	104		10 - 150

Lab Sample ID: LCSD 400-706851/3-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	15.0		ug/L		60	44 - 122	6	40
Aniline			25.0	6.99	J	ug/L		28	10 - 150	13	40
Acenaphthylene			25.0	15.5		ug/L		62	42 - 125	5	40
Anthracene			25.0	16.5		ug/L		66	51 - 136	8	40
Benzoic acid			214	369	E	ug/L		172	10 - 180	4	40
Benzo[a]anthracene			25.0	17.7		ug/L		71	50 - 138	12	40
Benzyl alcohol			25.0	7.16	J	ug/L		29	10 - 150	17	40
Benzo[a]pyrene			25.0	15.8		ug/L		63	53 - 134	8	40
Bis(2-chloroethoxy)methane			25.0	21.5		ug/L		86	60 - 123	6	40
Benzo[b]fluoranthene			25.0	18.4		ug/L		73	50 - 134	12	40
Bis(2-chloroethyl)ether			25.0	17.7		ug/L		71	45 - 127	3	40
Benzo[g,h,i]perylene			25.0	16.5		ug/L		66	42 - 138	7	40
bis (2-chloroisopropyl) ether			25.0	17.3		ug/L		69	10 - 150	1	40
Benzo[k]fluoranthene			25.0	16.0		ug/L		64	55 - 136	5	40
Bis(2-ethylhexyl) phthalate			25.0	20.1		ug/L		80	10 - 147	10	40
4-Bromophenyl phenyl ether			25.0	15.4		ug/L		62	50 - 126	6	40
Chrysene			25.0	17.0		ug/L		68	53 - 141	13	40
Butyl benzyl phthalate			25.0	21.4		ug/L		86	36 - 137	8	40
Dibenz(a,h)anthracene			25.0	16.8		ug/L		67	41 - 139	8	40
4-Chloroaniline			25.0	11.1		ug/L		45	10 - 150	17	40
Fluoranthene			25.0	16.2		ug/L		65	49 - 141	9	40
4-Chloro-3-methylphenol			25.0	19.5		ug/L		78	14 - 150	9	40
Fluorene			25.0	16.7		ug/L		67	41 - 136	6	40
2-Chloronaphthalene			25.0	17.9		ug/L		71	44 - 122	5	40
2-Chlorophenol			25.0	20.9		ug/L		84	10 - 150	1	40
Indeno[1,2,3-cd]pyrene			25.0	16.8		ug/L		67	30 - 150	7	40
1-Methylnaphthalene			25.0	16.4		ug/L		66	36 - 117	7	40
4-Chlorophenyl phenyl ether			25.0	15.0		ug/L		60	51 - 125	7	40
2-Methylnaphthalene			25.0	16.4		ug/L		66	31 - 115	7	40
Dibenz[a,h]acridine			49.9	34.5		ug/L		69	50 - 150	3	40
Dibenzofuran			25.0	17.1		ug/L		69	55 - 125	6	40
3,3'-Dichlorobenzidine			33.3	17.7		ug/L		53	10 - 150	4	40
Phenanthrene			25.0	16.3		ug/L		65	50 - 133	8	40
2,4-Dichlorophenol			25.0	19.9		ug/L		79	11 - 150	2	40
Pyrene			25.0	16.4		ug/L		65	46 - 149	9	40
Diethyl phthalate			25.0	18.8		ug/L		75	61 - 130	5	40

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

Lab Sample ID: LCSD 400-706851/3-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol			25.0	14.9		ug/L		60	5 - 150	3	40
Dimethyl phthalate			25.0	18.5		ug/L		74	55 - 139	3	40
Di-n-butyl phthalate			25.0	17.9		ug/L		72	50 - 150	8	40
4,6-Dinitro-ortho-cresol			50.0	60.8		ug/L		122	10 - 150	6	40
2,4-Dinitrophenol			50.0	64.8		ug/L		130	10 - 150	0	40
2,4-Dinitrotoluene			25.0	21.7		ug/L		87	46 - 137	6	40
2,6-Dinitrotoluene			25.0	23.9		ug/L		96	35 - 150	8	40
Di-n-octyl phthalate			25.0	22.1		ug/L		89	10 - 150	10	40
1,4-Dioxane			25.0	17.1		ug/L		68	10 - 137	10	40
1,2-Diphenylhydrazine (as Azobenzene)			25.0	17.0	I	ug/L		68	49 - 125	7	40
Hexachlorobenzene			25.0	16.2		ug/L		65	53 - 126	7	40
Hexachlorocyclopentadiene			25.0	22.9		ug/L		92	10 - 150	10	40
Hexachloroethane			25.0	16.1		ug/L		64	10 - 112	10	40
Indene			50.0	27.0		ug/L		54	50 - 150	10	40
Isophorone			25.0	17.3		ug/L		69	51 - 125	4	40
2-Methylphenol			25.0	16.4		ug/L		65	42 - 120	2	40
3 & 4 Methylphenol			25.0	21.6	I	ug/L		87	10 - 150	2	40
2-Nitroaniline			25.0	23.8		ug/L		95	10 - 150	7	40
3-Nitroaniline			25.0	24.4		ug/L		98	10 - 150	7	40
4-Nitroaniline			25.0	27.7		ug/L		111	10 - 144	6	40
Nitrobenzene			25.0	18.9		ug/L		76	57 - 138	3	40
2-Nitrophenol			25.0	26.4		ug/L		106	21 - 150	1	40
4-Nitrophenol			50.0	49.5		ug/L		99	10 - 150	16	40
N-Nitrosodimethylamine			25.0	17.8		ug/L		71	10 - 136	12	40
N-Nitrosodi-n-propylamine			25.0	18.6		ug/L		74	53 - 134	0	40
N-Nitrosodiphenylamine			24.8	17.7		ug/L		71	62 - 132	6	40
Pentachlorophenol			50.0	60.4		ug/L		121	16 - 150	4	40
Phenol			25.0	25.6		ug/L		102	10 - 150	13	40
Pyridine			50.0	18.3		ug/L		37	10 - 150	6	40
Quinoline			49.9	25.8		ug/L		52	50 - 150	10	40
2,4,5-Trichlorophenol			25.0	21.2		ug/L		85	10 - 150	1	40
2,4,6-Trichlorophenol			25.0	20.7		ug/L		83	50 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*15 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*
2-Fluorobiphenyl	*75*		*15 - 150*
2-Fluorophenol	*121*		*10 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Phenol-d5	*121*		*10 - 150*
Terphenyl-d14	*72*		*43 - 147*
2,4,6-Tribromophenol	*110*		*10 - 150*

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

Lab Sample ID: LCSD 400-706851/5-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	13.8	*1	ug/L		28	10 - 150	41	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 150*
2-Fluorophenol	*125*		*10 - 150*
Nitrobenzene-d5	*100*		*50 - 150*
Phenol-d5	*92*		*10 - 150*
Terphenyl-d14	*89*		*43 - 147*
2,4,6-Tribromophenol	*106*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-706977/1-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/24/25 13:14	04/24/25 15:30	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/24/25 13:14	04/24/25 15:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*04/24/25 13:14*	*04/24/25 15:30*	*1*

Lab Sample ID: LCS 400-706977/2-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane			0.101	0.0658		ug/L		65	60 - 140
1,2-Dibromoethane			0.100	0.0827		ug/L		82	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*59*		*51 - 149*

Lab Sample ID: LCSD 400-706977/3-A
Matrix: Water
Analysis Batch: 706915

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706977

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0648		ug/L		64	60 - 140	2	30
1,2-Dibromoethane			0.100	0.0848		ug/L		85	60 - 140	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*63*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/17/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.1.2	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 – 3.1.2

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 1Q25 Groundwater

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

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

SPLIT REPORT

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

*** Include "J" values on Reports.**
*** Provide sample receipt upon login.**
*** Send EQuiS EDDs to EDDSubmissions@aecomshell.com; Vlad.Virjan@aecom.com**

REQUESTED ANALYSIS
60738191 – 3.1.2

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

400-274570 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	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS	FIELD NOTES
	TB-ROX-041725-8260-SS	4/17/2025	0000	Water	2					2	X				SPLIT REPORT
	TB-ROX-041725-8011-SS	4/17/2025	0000	Water	2					2		X			SPLIT REPORT
	P93C-ROX-041725	4/17/2025	12:10	Water	6			6		12	X	X	X	X	SPLIT REPORT
	P93A-ROX-041725	4/17/2025	13:00	Water	6			6		12	X	X	X	X	SPLIT REPORT

TJ 4/17/25

Relinquished by: (Signature) Tony Jones	Received by: (Signature) FEDEX: 4234 9598 5809, 4234 9600 7059	Date: 4/17/2025	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/19/25	Time: 940

Version: 19Sept24

CUSTODY SEALS: 2779075, 2779074, 2779077, 2779076

0.4°C, 0.4°C, 1.2°C, 3.2°C ms

5/12/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274570-1

Login Number: 274570

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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	0.4°C, 0.4°C, 1.2°C, 3.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274570-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Laboratory Report Reviewed: 400-274573-1

Site Name: Roxana

Prepared By and Date: Andrei Niculau 7/14/2025

Event Reviewed: 2nd Quarter 2025 Data Review

Reviewed By and Date: Delaine Austin 7/21/2025

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/LCSD 400-706851/2-A / 400-706851/3-A	SVOCs	Quinoline	**47**/52	10	50-150/40
LCS/LCSD 400-706851/4-A / 400-706851/5-A /	SVOCs	Benzenethiol	42/28	**41**	10-150/40

Analytical data that required qualification based on LCS/LCSD data are referenced below. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Method 8270E (SVOCs)

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-041725	SVOCs	Quinoline	**UJ**
MW22-ROX-041725-DUP	SVOCs	Quinoline	**UJ**

Stage 2A Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P57-ROX-041725	SVOCs	Quinoline			**UJ**
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.
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			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**	
	method, and ion relative abundances were within acceptance limits.				
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 continuing calibration verifications (CCV) for several analytes were outside evaluation criteria, biased low. The initial calibration verifications (ICV) for benzoic acid was outside evaluation criteria, biased high. Analytes are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-041725	SVOCs	Pyridine	**UJ**
MW22-ROX-041725-DUP	SVOCs	Pyridine	**UJ**
P57-ROX-041725	SVOCs	Pyridine	**UJ**
MW22-ROX-041725	SVOCs	Phenol	**UJ**
MW22-ROX-041725-DUP	SVOCs	Phenol	**UJ**
P57-ROX-041725	SVOCs	Phenol	**UJ**
MW22-ROX-041725	SVOCs	Aniline	**UJ**
MW22-ROX-041725-DUP	SVOCs	Aniline	**UJ**
P57-ROX-041725	SVOCs	Aniline	**UJ**
MW22-ROX-041725	SVOCs	2-Methylphenol	**UJ**
MW22-ROX-041725-DUP	SVOCs	2-Methylphenol	**UJ**
P57-ROX-041725	SVOCs	2-Methylphenol	**UJ**
MW22-ROX-041725	SVOCs	2,4-Dimethylphenol	**UJ**
MW22-ROX-041725-DUP	SVOCs	2,4-Dimethylphenol	**UJ**
P57-ROX-041725	SVOCs	2,4-Dimethylphenol	**UJ**
MW22-ROX-041725	SVOCs	4-Chloro-3-methylphenol	**UJ**
MW22-ROX-041725-DUP	SVOCs	4-Chloro-3-methylphenol	**UJ**

Stage 2B, 3, 4 Validation					
Item Reviewed	**Acceptable Criteria**	**Quality Condition**			**Comments**
		Pass	**Fail[1]**	**N/A**	
P57-ROX-041725	SVOCs	4-Chloro-3-methylphenol			**UJ**
MW22-ROX-041725	SVOCs	4-Nitrophenol			**UJ**
MW22-ROX-041725-DUP	SVOCs	4-Nitrophenol			**UJ**
P57-ROX-041725	SVOCs	4-Nitrophenol			**UJ**
MW22-ROX-041725-DUP	SVOCs	Benzoic acid			**J**
MW22-ROX-041725	SVOCs	Benzoic acid			**J**
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 5/12/2025 11:18:55 AM

JOB DESCRIPTION

ROXANA QUARTERLY GW

JOB NUMBER

400-274573-1

Reviewed 7/16/2025
AN

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

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
5/12/2025 11:18:55 AM

Authorized for release by
Leah Klingensmith, Senior Project Manager
Leah.Klingensmith@et.eurofinsus.com
(615)301-5038

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Job Narrative
400-274573-1

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 4/19/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.4°C, 0.4°C and 1.2°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707579 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 400-707579/2).

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-041725-8260 (400-274573-1) and P57-ROX-041725 (400-274573-5). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which acid-labile compounds that degrades in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-707737 recovered above the upper control limit for Acrylonitrile and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been 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: MW22-ROX-041725 (400-274573-3) and MW22-ROX-041725-DUP (400-274573-4). 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: MW22-ROX-041725 (400-274573-3) and MW22-ROX-041725-DUP (400-274573-4). 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 400-702879 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 analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 400-706851 and analytical batch 400-707859: 2,4-Dimethylphenol and Quinoline. 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 400-708164 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate and Hexachlorocyclopentadiene. 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 400-708164 recovered outside acceptance criteria, low biased, for 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Aniline, Benzyl alcohol, Dibenz[a,h]acridine, Phenol and Pyridine. 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-706851 and analytical batch 400-708164 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270E_QQQ: The continuing calibration verification (CCV) associated with batch 400-707859 recovered outside acceptance criteria, low biased, for 2-Methylphenol, Benzyl alcohol, Dibenz[a,h]acridine and Phenol. 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 continuing calibration verification (CCV) associated with batch 400-707859 recovered above the upper control limit for 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-ortho-cresol, Di-n-octyl phthalate, Hexachlorocyclopentadiene and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

GC Semi VOA
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: 400-274573-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-274573-1	TB-ROX-041725-8260	Water	04/17/25 00:00	04/19/25 09:40
400-274573-2	TB-ROX-041725-8011	Water	04/17/25 00:00	04/19/25 09:40
400-274573-3	MW22-ROX-041725	Water	04/17/25 09:55	04/19/25 09:40
400-274573-4	MW22-ROX-041725-DUP	Water	04/17/25 09:55	04/19/25 09:40
400-274573-5	P57-ROX-041725	Water	04/17/25 11:55	04/19/25 09:40

Detection Summary

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260 — Lab Sample ID: 400-274573-1

No Detections.

Client Sample ID: TB-ROX-041725-8011 — Lab Sample ID: 400-274573-2

No Detections.

Client Sample ID: MW22-ROX-041725 — Lab Sample ID: 400-274573-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	83		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	880		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	130		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	2100		50	30	ug/L	10		8260D	Total/NA
Naphthalene	230		50	30	ug/L	10		8260D	Total/NA
n-Butylbenzene	19		10	7.6	ug/L	10		8260D	Total/NA
N-Propylbenzene	240		10	6.9	ug/L	10		8260D	Total/NA
o-Xylene	110		50	30	ug/L	10		8260D	Total/NA
sec-Butylbenzene	12		10	7.0	ug/L	10		8260D	Total/NA
tert-Butylbenzene	15		10	6.3	ug/L	10		8260D	Total/NA
Toluene	110		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	260		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	150		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	2200		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.096	J	0.20	0.084	ug/L	1		8270E	Total/NA
Benzoic acid	27	J	30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	19		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	34		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.048	J	0.20	0.043	ug/L	1		8270E	Total/NA
Indene	5.0	J	9.8	0.43	ug/L	1		8270E	Total/NA
Nitrobenzene	4.8	J	9.8	0.59	ug/L	1		8270E	Total/NA
Benzyl alcohol - RA	12	I	9.8	1.8	ug/L	1		8270E	Total/NA

Client Sample ID: MW22-ROX-041725-DUP — Lab Sample ID: 400-274573-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	79		10	5.0	ug/L	10		8260D	Total/NA
Ethylbenzene	820		10	5.0	ug/L	10		8260D	Total/NA
Isopropylbenzene	120		10	5.3	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	1900		50	30	ug/L	10		8260D	Total/NA
Naphthalene	220		50	30	ug/L	10		8260D	Total/NA
n-Butylbenzene	17		10	7.6	ug/L	10		8260D	Total/NA
N-Propylbenzene	220		10	6.9	ug/L	10		8260D	Total/NA
o-Xylene	110		50	30	ug/L	10		8260D	Total/NA
sec-Butylbenzene	11		10	7.0	ug/L	10		8260D	Total/NA
tert-Butylbenzene	15		10	6.3	ug/L	10		8260D	Total/NA
Toluene	100		10	9.0	ug/L	10		8260D	Total/NA
1,2,4-Trimethylbenzene	230		10	8.2	ug/L	10		8260D	Total/NA
1,3,5-Trimethylbenzene	130		10	5.6	ug/L	10		8260D	Total/NA
Xylenes, Total	2000		100	60	ug/L	10		8260D	Total/NA
Acenaphthene	0.086	J	0.20	0.084	ug/L	1		8270E	Total/NA
Benzoic acid	28	J	30	27	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	15		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	27		0.20	0.076	ug/L	1		8270E	Total/NA
Phenanthrene	0.044	J	0.20	0.044	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW22-ROX-041725-DUP (Continued)
Lab Sample ID: 400-274573-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indene	4.6	J	9.9	0.44	ug/L	1		8270E	Total/NA
Nitrobenzene	4.2	J	9.9	0.59	ug/L	1		8270E	Total/NA
Benzyl alcohol - RA	9.4	J I	9.9	1.8	ug/L	1		8270E	Total/NA

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	59		1.0	0.50	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	2.7	J	25	2.6	ug/L	1		8260D	Total/NA
Ethylbenzene	2.0		1.0	0.50	ug/L	1		8260D	Total/NA
Isopropylbenzene	25		1.0	0.53	ug/L	1		8260D	Total/NA
Naphthalene	18		5.0	3.0	ug/L	1		8260D	Total/NA
n-Butylbenzene	2.6		1.0	0.76	ug/L	1		8260D	Total/NA
N-Propylbenzene	27		1.0	0.69	ug/L	1		8260D	Total/NA
sec-Butylbenzene	5.1		1.0	0.70	ug/L	1		8260D	Total/NA
tert-Butylbenzene	5.5		1.0	0.63	ug/L	1		8260D	Total/NA
Toluene	3.9		1.0	0.90	ug/L	1		8260D	Total/NA
Acenaphthene	0.44		0.20	0.084	ug/L	1		8270E	Total/NA
Acenaphthylene	0.057	J	0.20	0.046	ug/L	1		8270E	Total/NA
Fluorene	0.55		0.20	0.086	ug/L	1		8270E	Total/NA
1-Methylnaphthalene	17		0.20	0.065	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	17		0.20	0.076	ug/L	1		8270E	Total/NA
Dibenzofuran	0.57	J	9.8	0.15	ug/L	1		8270E	Total/NA
Phenanthrene	0.33		0.20	0.043	ug/L	1		8270E	Total/NA
Indene	0.73	J	9.8	0.43	ug/L	1		8270E	Total/NA
Nitrobenzene	3.2	J	9.8	0.59	ug/L	1		8270E	Total/NA
Benzyl alcohol - RA	9.5	J I	9.8	1.8	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260
Lab Sample ID: 400-274573-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 16:06	1
Acrolein	ND		20	3.3	ug/L			04/30/25 16:06	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 16:06	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 16:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 16:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 16:06	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 16:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 16:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 16:06	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 16:06	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 16:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 16:06	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 16:06	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 16:06	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 16:06	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 16:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 16:06	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 16:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 16:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 16:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 16:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 16:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 16:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 16:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 16:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 16:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 16:06	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 16:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 16:06	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 16:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 16:06	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 16:06	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 16:06	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 16:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 16:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 16:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 16:06	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 16:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 16:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 16:06	1

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260
Lab Sample ID: 400-274573-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 16:06	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 16:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 16:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 16:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 16:06	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 16:06	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 16:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 16:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 16:06	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 16:06	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 16:06	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 16:06	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 16:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 16:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 16:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 16:06	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 16:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 16:06	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*04/30/25 16:06*	*1*
Dibromofluoromethane	*110*		*79 - 130*		*04/30/25 16:06*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*04/30/25 16:06*	*1*

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8011
Lab Sample ID: 400-274573-2
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/28/25 10:01	04/28/25 17:48	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/28/25 10:01*	*04/28/25 17:48*	*1*

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274573-1

Client Sample ID: MW22-ROX-041725
Date Collected: 04/17/25 09:55
Date Received: 04/19/25 09:40

Lab Sample ID: 400-274573-3
Matrix: Water

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			05/01/25 12:12	10
Acrolein	ND		200	33	ug/L			05/01/25 12:12	10
Acrylonitrile	ND		100	28	ug/L			05/01/25 12:12	10
Benzene	**83**		10	5.0	ug/L			05/01/25 12:12	10
Bromobenzene	ND		10	5.4	ug/L			05/01/25 12:12	10
Bromochloromethane	ND		10	5.2	ug/L			05/01/25 12:12	10
Bromodichloromethane	ND		10	5.0	ug/L			05/01/25 12:12	10
Bromoform	ND		50	2.5	ug/L			05/01/25 12:12	10
Bromomethane	ND		10	9.8	ug/L			05/01/25 12:12	10
2-Butanone (MEK)	ND		250	26	ug/L			05/01/25 12:12	10
Carbon disulfide	ND		10	5.0	ug/L			05/01/25 12:12	10
Carbon tetrachloride	ND		10	1.9	ug/L			05/01/25 12:12	10
Chlorobenzene	ND		10	4.2	ug/L			05/01/25 12:12	10
Chloroethane	ND		10	7.6	ug/L			05/01/25 12:12	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			05/01/25 12:12	10
Chloroform	ND		10	9.0	ug/L			05/01/25 12:12	10
1-Chlorohexane	ND		10	3.2	ug/L			05/01/25 12:12	10
Chloromethane	ND		10	4.0	ug/L			05/01/25 12:12	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			05/01/25 12:12	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			05/01/25 12:12	10
Dibromochloromethane	ND		10	2.4	ug/L			05/01/25 12:12	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			05/01/25 12:12	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			05/01/25 12:12	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			05/01/25 12:12	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			05/01/25 12:12	10
1,1-Dichloroethane	ND		10	5.0	ug/L			05/01/25 12:12	10
1,2-Dichloroethane	ND		10	5.5	ug/L			05/01/25 12:12	10
1,1-Dichloroethene	ND		10	5.0	ug/L			05/01/25 12:12	10
1,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:12	10
1,3-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:12	10
2,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:12	10
1,1-Dichloropropene	ND		10	0.90	ug/L			05/01/25 12:12	10
Ethylbenzene	**880**		10	5.0	ug/L			05/01/25 12:12	10
Ethyl methacrylate	ND		10	6.0	ug/L			05/01/25 12:12	10
Hexachlorobutadiene	ND		50	9.0	ug/L			05/01/25 12:12	10
2-Hexanone	ND		250	43	ug/L			05/01/25 12:12	10
Isopropylbenzene	**130**		10	5.3	ug/L			05/01/25 12:12	10
Methylene bromide	ND		50	2.2	ug/L			05/01/25 12:12	10
Methylene Chloride	ND		50	30	ug/L			05/01/25 12:12	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			05/01/25 12:12	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			05/01/25 12:12	10
m-Xylene & p-Xylene	**2100**		50	30	ug/L			05/01/25 12:12	10
Naphthalene	**230**		50	30	ug/L			05/01/25 12:12	10
n-Butylbenzene	**19**		10	7.6	ug/L			05/01/25 12:12	10
N-Propylbenzene	**240**		10	6.9	ug/L			05/01/25 12:12	10
o-Chlorotoluene	ND		10	5.7	ug/L			05/01/25 12:12	10
o-Xylene	**110**		50	30	ug/L			05/01/25 12:12	10
p-Chlorotoluene	ND		10	5.6	ug/L			05/01/25 12:12	10
p-Isopropyltoluene	ND		10	7.1	ug/L			05/01/25 12:12	10

Client Sample ID: MW22-ROX-041725
Lab Sample ID: 400-274573-3
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**12**		10	7.0	ug/L			05/01/25 12:12	10
Styrene	ND		10	10	ug/L			05/01/25 12:12	10
tert-Butylbenzene	**15**		10	6.3	ug/L			05/01/25 12:12	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			05/01/25 12:12	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			05/01/25 12:12	10
Tetrachloroethene	ND		10	3.3	ug/L			05/01/25 12:12	10
Toluene	**110**		10	9.0	ug/L			05/01/25 12:12	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			05/01/25 12:12	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			05/01/25 12:12	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			05/01/25 12:12	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			05/01/25 12:12	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			05/01/25 12:12	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			05/01/25 12:12	10
Trichloroethene	ND		10	1.5	ug/L			05/01/25 12:12	10
Trichlorofluoromethane	ND		10	2.5	ug/L			05/01/25 12:12	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			05/01/25 12:12	10
1,2,4-Trimethylbenzene	**260**		10	8.2	ug/L			05/01/25 12:12	10
1,3,5-Trimethylbenzene	**150**		10	5.6	ug/L			05/01/25 12:12	10
Vinyl acetate	ND		250	9.3	ug/L			05/01/25 12:12	10
Vinyl chloride	ND		10	5.0	ug/L			05/01/25 12:12	10
Xylenes, Total	**2200**		100	60	ug/L			05/01/25 12:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*05/01/25 12:12*	*10*
Dibromofluoromethane	*109*		*79 - 130*		*05/01/25 12:12*	*10*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/01/25 12:12*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.096**	**J**	0.20	0.084	ug/L		04/23/25 16:08	05/06/25 07:30	1
Aniline	ND	UJ	9.8	0.73	ug/L		04/23/25 16:08	05/06/25 07:30	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzenethiol	ND	*1	9.8	0.59	ug/L		04/23/25 16:08	05/06/25 07:30	1
Anthracene	ND		0.20	0.072	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzoic acid	**27**	**J** J	30	27	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/23/25 16:08	05/06/25 07:30	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/23/25 16:08	05/06/25 07:30	1
Bis(2-chloroethyl)ether	ND		9.8	0.14	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/23/25 16:08	05/06/25 07:30	1
bis (2-chloroisopropyl) ether	ND		9.8	0.20	ug/L		04/23/25 16:08	05/06/25 07:30	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/23/25 16:08	05/06/25 07:30	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/23/25 16:08	05/06/25 07:30	1
Chrysene	ND		0.20	0.038	ug/L		04/23/25 16:08	05/06/25 07:30	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/23/25 16:08	05/06/25 07:30	1
4-Chloroaniline	ND		9.8	0.28	ug/L		04/23/25 16:08	05/06/25 07:30	1
Fluoranthene	ND		0.20	0.031	ug/L		04/23/25 16:08	05/06/25 07:30	1

Client Sample ID: MW22-ROX-041725
Lab Sample ID: 400-274573-3
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND	UJ	9.8	0.72	ug/L		04/23/25 16:08	05/06/25 07:30	1
Fluorene	ND		0.20	0.086	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Chlorophenol	ND		9.8	0.22	ug/L		04/23/25 16:08	05/06/25 07:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/23/25 16:08	05/06/25 07:30	1
1-Methylnaphthalene	**19**		0.20	0.065	ug/L		04/23/25 16:08	05/06/25 07:30	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Methylnaphthalene	**34**		0.20	0.076	ug/L		04/23/25 16:08	05/06/25 07:30	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		04/23/25 16:08	05/06/25 07:30	1
Dibenzofuran	ND		9.8	0.15	ug/L		04/23/25 16:08	05/06/25 07:30	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/23/25 16:08	05/06/25 07:30	1
Phenanthrene	**0.048**	**J**	0.20	0.043	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/23/25 16:08	05/06/25 07:30	1
Pyrene	ND		0.20	0.093	ug/L		04/23/25 16:08	05/06/25 07:30	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4-Dimethylphenol	ND	UJ	9.8	0.24	ug/L		04/23/25 16:08	05/06/25 07:30	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		04/23/25 16:08	05/06/25 07:30	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 07:30	1
1,4-Dioxane	ND		9.8	0.069	ug/L		04/23/25 16:08	05/06/25 07:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.31	ug/L		04/23/25 16:08	05/06/25 07:30	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		04/23/25 16:08	05/06/25 07:30	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/23/25 16:08	05/06/25 07:30	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/23/25 16:08	05/06/25 07:30	1
Indene	**5.0**	**J**	9.8	0.43	ug/L		04/23/25 16:08	05/06/25 07:30	1
Isophorone	ND		9.8	0.79	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Methylphenol	ND	UJ	9.8	0.30	ug/L		04/23/25 16:08	05/06/25 07:30	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/23/25 16:08	05/06/25 07:30	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/23/25 16:08	05/06/25 07:30	1
4-Nitroaniline	ND		9.8	1.2	ug/L		04/23/25 16:08	05/06/25 07:30	1
Nitrobenzene	**4.8**	**J**	9.8	0.59	ug/L		04/23/25 16:08	05/06/25 07:30	1
2-Nitrophenol	ND		9.8	1.2	ug/L		04/23/25 16:08	05/06/25 07:30	1
4-Nitrophenol	ND	UJ	9.8	2.7	ug/L		04/23/25 16:08	05/06/25 07:30	1
N-Nitrosodimethylamine	ND		9.8	0.23	ug/L		04/23/25 16:08	05/06/25 07:30	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/23/25 16:08	05/06/25 07:30	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/23/25 16:08	05/06/25 07:30	1
Pentachlorophenol	ND		9.8	0.40	ug/L		04/23/25 16:08	05/06/25 07:30	1
Phenol	ND	UJ	9.8	0.27	ug/L		04/23/25 16:08	05/06/25 07:30	1
Pyridine	ND	UJ	9.8	0.63	ug/L		04/23/25 16:08	05/06/25 07:30	1
Quinoline	ND	*- UJ	9.8	0.49	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/23/25 16:08	05/06/25 07:30	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/23/25 16:08	05/06/25 07:30	1

Client Sample ID: MW22-ROX-041725
Lab Sample ID: 400-274573-3
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
2-Fluorobiphenyl	*75*		*15 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
2-Fluorophenol	*102*		*10 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
Nitrobenzene-d5	*83*		*50 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
Phenol-d5	*71*		*10 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
Terphenyl-d14	*71*		*43 - 147*	*04/23/25 16:08*	*05/06/25 07:30*	*1*
2,4,6-Tribromophenol	*13*		*10 - 150*	*04/23/25 16:08*	*05/06/25 07:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	**12**	**I**	9.8	1.8	ug/L		04/23/25 16:08	05/09/25 17:47	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/28/25 10:01	04/28/25 18:09	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*04/28/25 10:01*	*04/28/25 18:09*	*1*

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: MW22-ROX-041725-DUP
Lab Sample ID: 400-274573-4
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

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			05/01/25 12:38	10
Acrolein	ND		200	33	ug/L			05/01/25 12:38	10
Acrylonitrile	ND		100	28	ug/L			05/01/25 12:38	10
Benzene	**79**		10	5.0	ug/L			05/01/25 12:38	10
Bromobenzene	ND		10	5.4	ug/L			05/01/25 12:38	10
Bromochloromethane	ND		10	5.2	ug/L			05/01/25 12:38	10
Bromodichloromethane	ND		10	5.0	ug/L			05/01/25 12:38	10
Bromoform	ND		50	2.5	ug/L			05/01/25 12:38	10
Bromomethane	ND		10	9.8	ug/L			05/01/25 12:38	10
2-Butanone (MEK)	ND		250	26	ug/L			05/01/25 12:38	10
Carbon disulfide	ND		10	5.0	ug/L			05/01/25 12:38	10
Carbon tetrachloride	ND		10	1.9	ug/L			05/01/25 12:38	10
Chlorobenzene	ND		10	4.2	ug/L			05/01/25 12:38	10
Chloroethane	ND		10	7.6	ug/L			05/01/25 12:38	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			05/01/25 12:38	10
Chloroform	ND		10	9.0	ug/L			05/01/25 12:38	10
1-Chlorohexane	ND		10	3.2	ug/L			05/01/25 12:38	10
Chloromethane	ND		10	4.0	ug/L			05/01/25 12:38	10
cis-1,2-Dichloroethene	ND		10	2.0	ug/L			05/01/25 12:38	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			05/01/25 12:38	10
Dibromochloromethane	ND		10	2.4	ug/L			05/01/25 12:38	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			05/01/25 12:38	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			05/01/25 12:38	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			05/01/25 12:38	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			05/01/25 12:38	10
1,1-Dichloroethane	ND		10	5.0	ug/L			05/01/25 12:38	10
1,2-Dichloroethane	ND		10	5.5	ug/L			05/01/25 12:38	10
1,1-Dichloroethene	ND		10	5.0	ug/L			05/01/25 12:38	10
1,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:38	10
1,3-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:38	10
2,2-Dichloropropane	ND		10	5.0	ug/L			05/01/25 12:38	10
1,1-Dichloropropene	ND		10	0.90	ug/L			05/01/25 12:38	10
Ethylbenzene	**820**		10	5.0	ug/L			05/01/25 12:38	10
Ethyl methacrylate	ND		10	6.0	ug/L			05/01/25 12:38	10
Hexachlorobutadiene	ND		50	9.0	ug/L			05/01/25 12:38	10
2-Hexanone	ND		250	43	ug/L			05/01/25 12:38	10
Isopropylbenzene	**120**		10	5.3	ug/L			05/01/25 12:38	10
Methylene bromide	ND		50	2.2	ug/L			05/01/25 12:38	10
Methylene Chloride	ND		50	30	ug/L			05/01/25 12:38	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			05/01/25 12:38	10
Methyl tert-butyl ether	ND		10	2.2	ug/L			05/01/25 12:38	10
m-Xylene & p-Xylene	**1900**		50	30	ug/L			05/01/25 12:38	10
Naphthalene	**220**		50	30	ug/L			05/01/25 12:38	10
n-Butylbenzene	**17**		10	7.6	ug/L			05/01/25 12:38	10
N-Propylbenzene	**220**		10	6.9	ug/L			05/01/25 12:38	10
o-Chlorotoluene	ND		10	5.7	ug/L			05/01/25 12:38	10
o-Xylene	**110**		50	30	ug/L			05/01/25 12:38	10
p-Chlorotoluene	ND		10	5.6	ug/L			05/01/25 12:38	10
p-Isopropyltoluene	ND		10	7.1	ug/L			05/01/25 12:38	10

Client Sample ID: MW22-ROX-041725-DUP
Lab Sample ID: 400-274573-4
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**11**		10	7.0	ug/L			05/01/25 12:38	10
Styrene	ND		10	10	ug/L			05/01/25 12:38	10
tert-Butylbenzene	**15**		10	6.3	ug/L			05/01/25 12:38	10
1,1,1,2-Tetrachloroethane	ND		10	3.8	ug/L			05/01/25 12:38	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			05/01/25 12:38	10
Tetrachloroethene	ND		10	3.3	ug/L			05/01/25 12:38	10
Toluene	**100**		10	9.0	ug/L			05/01/25 12:38	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			05/01/25 12:38	10
trans-1,3-Dichloropropene	ND		50	2.0	ug/L			05/01/25 12:38	10
1,2,3-Trichlorobenzene	ND		10	9.0	ug/L			05/01/25 12:38	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			05/01/25 12:38	10
1,1,1-Trichloroethane	ND		10	1.8	ug/L			05/01/25 12:38	10
1,1,2-Trichloroethane	ND		50	2.1	ug/L			05/01/25 12:38	10
Trichloroethene	ND		10	1.5	ug/L			05/01/25 12:38	10
Trichlorofluoromethane	ND		10	2.5	ug/L			05/01/25 12:38	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			05/01/25 12:38	10
1,2,4-Trimethylbenzene	**230**		10	8.2	ug/L			05/01/25 12:38	10
1,3,5-Trimethylbenzene	**130**		10	5.6	ug/L			05/01/25 12:38	10
Vinyl acetate	ND		250	9.3	ug/L			05/01/25 12:38	10
Vinyl chloride	ND		10	5.0	ug/L			05/01/25 12:38	10
Xylenes, Total	**2000**		100	60	ug/L			05/01/25 12:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*56 - 136*		*05/01/25 12:38*	*10*
Dibromofluoromethane	*109*		*79 - 130*		*05/01/25 12:38*	*10*
Toluene-d8 (Surr)	*93*		*64 - 132*		*05/01/25 12:38*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.086**	**J**	0.20	0.084	ug/L		04/23/25 16:08	05/06/25 08:00	1
Aniline	ND	UJ	9.9	0.73	ug/L		04/23/25 16:08	05/06/25 08:00	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzenethiol	ND	*1	9.9	0.59	ug/L		04/23/25 16:08	05/06/25 08:00	1
Anthracene	ND		0.20	0.072	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzoic acid	**28**	**J** J	30	27	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/23/25 16:08	05/06/25 08:00	1
Bis(2-chloroethoxy)methane	ND		9.9	0.34	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/23/25 16:08	05/06/25 08:00	1
Bis(2-chloroethyl)ether	ND		9.9	0.14	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/23/25 16:08	05/06/25 08:00	1
bis (2-chloroisopropyl) ether	ND		9.9	0.20	ug/L		04/23/25 16:08	05/06/25 08:00	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/23/25 16:08	05/06/25 08:00	1
Bis(2-ethylhexyl) phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
4-Bromophenyl phenyl ether	ND		9.9	0.13	ug/L		04/23/25 16:08	05/06/25 08:00	1
Chrysene	ND		0.20	0.039	ug/L		04/23/25 16:08	05/06/25 08:00	1
Butyl benzyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/23/25 16:08	05/06/25 08:00	1
4-Chloroaniline	ND		9.9	0.28	ug/L		04/23/25 16:08	05/06/25 08:00	1
Fluoranthene	ND		0.20	0.032	ug/L		04/23/25 16:08	05/06/25 08:00	1

Client Sample ID: MW22-ROX-041725-DUP
Lab Sample ID: 400-274573-4
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND	UJ	9.9	0.72	ug/L		04/23/25 16:08	05/06/25 08:00	1
Fluorene	ND		0.20	0.086	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Chloronaphthalene	ND		9.9	0.38	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Chlorophenol	ND		9.9	0.22	ug/L		04/23/25 16:08	05/06/25 08:00	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/23/25 16:08	05/06/25 08:00	1
1-Methylnaphthalene	**15**		0.20	0.065	ug/L		04/23/25 16:08	05/06/25 08:00	1
4-Chlorophenyl phenyl ether	ND		9.9	0.24	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Methylnaphthalene	**27**		0.20	0.076	ug/L		04/23/25 16:08	05/06/25 08:00	1
Dibenz[a,h]acridine	ND		9.9	0.68	ug/L		04/23/25 16:08	05/06/25 08:00	1
Dibenzofuran	ND		9.9	0.15	ug/L		04/23/25 16:08	05/06/25 08:00	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/23/25 16:08	05/06/25 08:00	1
Phenanthrene	**0.044**	**J**	0.20	0.044	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4-Dichlorophenol	ND		9.9	0.56	ug/L		04/23/25 16:08	05/06/25 08:00	1
Pyrene	ND		0.20	0.094	ug/L		04/23/25 16:08	05/06/25 08:00	1
Diethyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4-Dimethylphenol	ND	UJ	9.9	0.24	ug/L		04/23/25 16:08	05/06/25 08:00	1
Dimethyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
Di-n-butyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
4,6-Dinitro-ortho-cresol	ND		9.9	2.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4-Dinitrotoluene	ND		9.9	0.64	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,6-Dinitrotoluene	ND		9.9	0.29	ug/L		04/23/25 16:08	05/06/25 08:00	1
Di-n-octyl phthalate	ND		9.9	4.0	ug/L		04/23/25 16:08	05/06/25 08:00	1
1,4-Dioxane	ND		9.9	0.069	ug/L		04/23/25 16:08	05/06/25 08:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.32	ug/L		04/23/25 16:08	05/06/25 08:00	1
Hexachlorobenzene	ND		9.9	0.25	ug/L		04/23/25 16:08	05/06/25 08:00	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/23/25 16:08	05/06/25 08:00	1
Hexachloroethane	ND		9.9	0.52	ug/L		04/23/25 16:08	05/06/25 08:00	1
Indene	**4.6**	**J**	9.9	0.44	ug/L		04/23/25 16:08	05/06/25 08:00	1
Isophorone	ND		9.9	0.79	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Methylphenol	ND	UJ	9.9	0.30	ug/L		04/23/25 16:08	05/06/25 08:00	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Nitroaniline	ND		9.9	1.4	ug/L		04/23/25 16:08	05/06/25 08:00	1
3-Nitroaniline	ND		9.9	0.94	ug/L		04/23/25 16:08	05/06/25 08:00	1
4-Nitroaniline	ND		9.9	1.2	ug/L		04/23/25 16:08	05/06/25 08:00	1
Nitrobenzene	**4.2**	**J**	9.9	0.59	ug/L		04/23/25 16:08	05/06/25 08:00	1
2-Nitrophenol	ND		9.9	1.2	ug/L		04/23/25 16:08	05/06/25 08:00	1
4-Nitrophenol	ND	UJ	9.9	2.7	ug/L		04/23/25 16:08	05/06/25 08:00	1
N-Nitrosodimethylamine	ND		9.9	0.23	ug/L		04/23/25 16:08	05/06/25 08:00	1
N-Nitrosodi-n-propylamine	ND		9.9	0.33	ug/L		04/23/25 16:08	05/06/25 08:00	1
N-Nitrosodiphenylamine	ND		9.9	0.19	ug/L		04/23/25 16:08	05/06/25 08:00	1
Pentachlorophenol	ND		9.9	0.41	ug/L		04/23/25 16:08	05/06/25 08:00	1
Phenol	ND	UJ	9.9	0.27	ug/L		04/23/25 16:08	05/06/25 08:00	1
Pyridine	ND	UJ	9.9	0.63	ug/L		04/23/25 16:08	05/06/25 08:00	1
Quinoline	ND	*- UJ	9.9	0.50	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4,5-Trichlorophenol	ND		9.9	0.53	ug/L		04/23/25 16:08	05/06/25 08:00	1
2,4,6-Trichlorophenol	ND		9.9	1.1	ug/L		04/23/25 16:08	05/06/25 08:00	1

Client Sample ID: MW22-ROX-041725-DUP
Lab Sample ID: 400-274573-4
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
Terphenyl-d14	*69*		*43 - 147*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
2-Fluorobiphenyl	*72*		*15 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
2-Fluorophenol	*106*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
Nitrobenzene-d5	*87*		*50 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
Phenol-d5	*101*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
Terphenyl-d14	*69*		*43 - 147*	*04/23/25 16:08*	*05/06/25 08:00*	*1*
2,4,6-Tribromophenol	*48*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	**9.4**	**J I**	9.9	1.8	ug/L		04/23/25 16:08	05/09/25 18:18	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.018	ug/L		04/28/25 10:01	04/28/25 18:31	1
1,2-Dibromoethane	ND		0.021	0.015	ug/L		04/28/25 10:01	04/28/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*04/28/25 10:01*	*04/28/25 18:31*	*1*

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5
Date Collected: 04/17/25 11:55
Matrix: Water
Date Received: 04/19/25 09:40

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			04/30/25 16:33	1
Acrolein	ND		20	3.3	ug/L			04/30/25 16:33	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 16:33	1
Benzene	**59**		1.0	0.50	ug/L			04/30/25 16:33	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 16:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 16:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 16:33	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 16:33	1
2-Butanone (MEK)	**2.7**	**J**	25	2.6	ug/L			04/30/25 16:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 16:33	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 16:33	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 16:33	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 16:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 16:33	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 16:33	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 16:33	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 16:33	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 16:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 16:33	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 16:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 16:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 16:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 16:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 16:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 16:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 16:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 16:33	1
Ethylbenzene	**2.0**		1.0	0.50	ug/L			04/30/25 16:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 16:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 16:33	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 16:33	1
Isopropylbenzene	**25**		1.0	0.53	ug/L			04/30/25 16:33	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 16:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 16:33	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 16:33	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 16:33	1
Naphthalene	**18**		5.0	3.0	ug/L			04/30/25 16:33	1
n-Butylbenzene	**2.6**		1.0	0.76	ug/L			04/30/25 16:33	1
N-Propylbenzene	**27**		1.0	0.69	ug/L			04/30/25 16:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 16:33	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 16:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 16:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 16:33	1

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5
Date Collected: 04/17/25 11:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**5.1**		1.0	0.70	ug/L			04/30/25 16:33	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 16:33	1
tert-Butylbenzene	**5.5**		1.0	0.63	ug/L			04/30/25 16:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 16:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 16:33	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 16:33	1
Toluene	**3.9**		1.0	0.90	ug/L			04/30/25 16:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 16:33	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 16:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 16:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 16:33	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 16:33	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 16:33	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 16:33	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 16:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 16:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 16:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 16:33	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 16:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 16:33	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*56 - 136*		*04/30/25 16:33*	*1*
Dibromofluoromethane	*108*		*79 - 130*		*04/30/25 16:33*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 16:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.44**		0.20	0.084	ug/L		04/23/25 16:08	05/06/25 08:31	1
Aniline	ND	UJ	9.8	0.73	ug/L		04/23/25 16:08	05/06/25 08:31	1
Acenaphthylene	**0.057**	**J**	0.20	0.046	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzenethiol	ND	*1	9.8	0.59	ug/L		04/23/25 16:08	05/06/25 08:31	1
Anthracene	ND		0.20	0.072	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzoic acid	ND		30	27	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzo[a]anthracene	ND		0.20	0.039	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzo[a]pyrene	ND		0.20	0.044	ug/L		04/23/25 16:08	05/06/25 08:31	1
Bis(2-chloroethoxy)methane	ND		9.8	0.33	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzo[b]fluoranthene	ND		0.20	0.041	ug/L		04/23/25 16:08	05/06/25 08:31	1
Bis(2-chloroethyl)ether	ND		9.8	0.14	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzo[g,h,i]perylene	ND		0.20	0.051	ug/L		04/23/25 16:08	05/06/25 08:31	1
bis (2-chloroisopropyl) ether	ND		9.8	0.20	ug/L		04/23/25 16:08	05/06/25 08:31	1
Benzo[k]fluoranthene	ND		0.20	0.039	ug/L		04/23/25 16:08	05/06/25 08:31	1
Bis(2-ethylhexyl) phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
4-Bromophenyl phenyl ether	ND		9.8	0.13	ug/L		04/23/25 16:08	05/06/25 08:31	1
Chrysene	ND		0.20	0.038	ug/L		04/23/25 16:08	05/06/25 08:31	1
Butyl benzyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
Dibenz(a,h)anthracene	ND		0.20	0.043	ug/L		04/23/25 16:08	05/06/25 08:31	1
4-Chloroaniline	ND		9.8	0.28	ug/L		04/23/25 16:08	05/06/25 08:31	1
Fluoranthene	ND		0.20	0.031	ug/L		04/23/25 16:08	05/06/25 08:31	1

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5
Date Collected: 04/17/25 11:55
Matrix: Water
Date Received: 04/19/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND	UJ	9.8	0.72	ug/L		04/23/25 16:08	05/06/25 08:31	1
Fluorene	**0.55**		0.20	0.086	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Chloronaphthalene	ND		9.8	0.37	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Chlorophenol	ND		9.8	0.22	ug/L		04/23/25 16:08	05/06/25 08:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.031	ug/L		04/23/25 16:08	05/06/25 08:31	1
1-Methylnaphthalene	**17**		0.20	0.065	ug/L		04/23/25 16:08	05/06/25 08:31	1
4-Chlorophenyl phenyl ether	ND		9.8	0.24	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Methylnaphthalene	**17**		0.20	0.076	ug/L		04/23/25 16:08	05/06/25 08:31	1
Dibenz[a,h]acridine	ND		9.8	0.68	ug/L		04/23/25 16:08	05/06/25 08:31	1
Dibenzofuran	**0.57**	**J**	9.8	0.15	ug/L		04/23/25 16:08	05/06/25 08:31	1
3,3'-Dichlorobenzidine	ND		11	0.40	ug/L		04/23/25 16:08	05/06/25 08:31	1
Phenanthrene	**0.33**		0.20	0.043	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4-Dichlorophenol	ND		9.8	0.56	ug/L		04/23/25 16:08	05/06/25 08:31	1
Pyrene	ND		0.20	0.093	ug/L		04/23/25 16:08	05/06/25 08:31	1
Diethyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4-Dimethylphenol	ND	UJ	9.8	0.24	ug/L		04/23/25 16:08	05/06/25 08:31	1
Dimethyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
Di-n-butyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4-Dinitrophenol	ND		30	4.6	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4-Dinitrotoluene	ND		9.8	0.64	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,6-Dinitrotoluene	ND		9.8	0.29	ug/L		04/23/25 16:08	05/06/25 08:31	1
Di-n-octyl phthalate	ND		9.8	3.9	ug/L		04/23/25 16:08	05/06/25 08:31	1
1,4-Dioxane	ND		9.8	0.069	ug/L		04/23/25 16:08	05/06/25 08:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.31	ug/L		04/23/25 16:08	05/06/25 08:31	1
Hexachlorobenzene	ND		9.8	0.25	ug/L		04/23/25 16:08	05/06/25 08:31	1
Hexachlorocyclopentadiene	ND		20	0.31	ug/L		04/23/25 16:08	05/06/25 08:31	1
Hexachloroethane	ND		9.8	0.52	ug/L		04/23/25 16:08	05/06/25 08:31	1
Indene	**0.73**	**J**	9.8	0.43	ug/L		04/23/25 16:08	05/06/25 08:31	1
Isophorone	ND		9.8	0.79	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Methylphenol	ND	UJ	9.8	0.30	ug/L		04/23/25 16:08	05/06/25 08:31	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Nitroaniline	ND		9.8	1.3	ug/L		04/23/25 16:08	05/06/25 08:31	1
3-Nitroaniline	ND		9.8	0.93	ug/L		04/23/25 16:08	05/06/25 08:31	1
4-Nitroaniline	ND		9.8	1.2	ug/L		04/23/25 16:08	05/06/25 08:31	1
Nitrobenzene	**3.2**	**J**	9.8	0.59	ug/L		04/23/25 16:08	05/06/25 08:31	1
2-Nitrophenol	ND		9.8	1.2	ug/L		04/23/25 16:08	05/06/25 08:31	1
4-Nitrophenol	ND	UJ	9.8	2.7	ug/L		04/23/25 16:08	05/06/25 08:31	1
N-Nitrosodimethylamine	ND		9.8	0.23	ug/L		04/23/25 16:08	05/06/25 08:31	1
N-Nitrosodi-n-propylamine	ND		9.8	0.32	ug/L		04/23/25 16:08	05/06/25 08:31	1
N-Nitrosodiphenylamine	ND		9.8	0.19	ug/L		04/23/25 16:08	05/06/25 08:31	1
Pentachlorophenol	ND		9.8	0.40	ug/L		04/23/25 16:08	05/06/25 08:31	1
Phenol	ND	UJ	9.8	0.27	ug/L		04/23/25 16:08	05/06/25 08:31	1
Pyridine	ND	UJ	9.8	0.63	ug/L		04/23/25 16:08	05/06/25 08:31	1
Quinoline	ND	*- UJ	9.8	0.49	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4,5-Trichlorophenol	ND		9.8	0.53	ug/L		04/23/25 16:08	05/06/25 08:31	1
2,4,6-Trichlorophenol	ND		9.8	1.1	ug/L		04/23/25 16:08	05/06/25 08:31	1

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5
Date Collected: 04/17/25 11:55
Matrix: Water
Date Received: 04/19/25 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
2-Fluorobiphenyl	*76*		*15 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
2-Fluorophenol	*106*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
Nitrobenzene-d5	*89*		*50 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
Phenol-d5	*60*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
Terphenyl-d14	*75*		*43 - 147*	*04/23/25 16:08*	*05/06/25 08:31*	*1*
2,4,6-Tribromophenol	*20*		*10 - 150*	*04/23/25 16:08*	*05/06/25 08:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	**9.5**	**J I**	9.8	1.8	ug/L		04/23/25 16:08	05/09/25 18:49	1

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.018	ug/L		04/28/25 10:01	04/28/25 18:52	1
1,2-Dibromoethane	ND		0.021	0.016	ug/L		04/28/25 10:01	04/28/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*04/28/25 10:01*	*04/28/25 18:52*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-274573-1

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)
400-274573-1	TB-ROX-041725-8260	90	110	91
400-274573-3	MW22-ROX-041725	90	109	93
400-274573-4	MW22-ROX-041725-DUP	89	109	93
400-274573-5	P57-ROX-041725	91	108	92
LCS 400-707579/1002	Lab Control Sample	88	108	93
LCS 400-707737/1002	Lab Control Sample	91	108	93
MB 400-707579/4	Method Blank	92	111	92
MB 400-707737/4	Method Blank	90	112	91

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	FBP	2FP	NBZ	NBZ	PHL	TPHL	TPHL
Lab Sample ID	Client Sample ID	(15-150)	(15-150)	(10-150)	(50-150)	(50-150)	(10-150)	(43-147)	(43-147)
400-274573-3	MW22-ROX-041725	75	75	102	83	83	71	71	71
400-274573-4	MW22-ROX-041725-DUP	72	72	106	87	87	101	69	69
400-274573-5	P57-ROX-041725	76	76	106	89	89	60	75	75
LCS 400-706851/2-A	Lab Control Sample	75	75	121	93	93	120	68	68
LCS 400-706851/4-A	Lab Control Sample	85	85	123	103	103	93	84	84
LCSD 400-706851/3-A	Lab Control Sample Dup	75	75	121	91	91	121	72	72
LCSD 400-706851/5-A	Lab Control Sample Dup	87	87	125	100	100	92	89	89
MB 400-706851/1-A	Method Blank	83	83	122	105	105	112	63	63

		Percent Surrogate Recovery (Acceptance Limits)
		TBP
Lab Sample ID	Client Sample ID	(10-150)
400-274573-3	MW22-ROX-041725	13
400-274573-4	MW22-ROX-041725-DUP	48
400-274573-5	P57-ROX-041725	20
LCS 400-706851/2-A	Lab Control Sample	117
LCS 400-706851/4-A	Lab Control Sample	104
LCSD 400-706851/3-A	Lab Control Sample Dup	110
LCSD 400-706851/5-A	Lab Control Sample Dup	106
MB 400-706851/1-A	Method Blank	114

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB1								
Lab Sample ID	Client Sample ID	(51-149)								
400-274573-2	TB-ROX-041725-8011	73								
400-274573-3	MW22-ROX-041725	93 p								
400-274573-4	MW22-ROX-041725-DUP	100								
400-274573-5	P57-ROX-041725	82								
LCS 400-707269/2-A	Lab Control Sample	92								
LCSD 400-707269/3-A	Lab Control Sample Dup	97								
MB 400-707269/1-A	Method Blank	111								

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET PEN
8011	EDB and DBCP in Water by Microextraction	EPA	EET PEN
3511	Microextraction of Organic Compounds	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
8011	Microextraction	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: TB-ROX-041725-8260
Lab Sample ID: 400-274573-1
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707579	04/30/25 16:06	CAR	EET PEN

Client Sample ID: TB-ROX-041725-8011
Lab Sample ID: 400-274573-2
Date Collected: 04/17/25 00:00
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.3 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 17:48	KR	EET PEN

Client Sample ID: MW22-ROX-041725
Lab Sample ID: 400-274573-3
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	707737	05/01/25 12:12	CAR	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708164	05/06/25 07:30	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 07:30	JAW	EET PEN
Total/NA	Prep	3511	RA		30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E	RA	1	0 mL	1.0 mL	708647	05/09/25 17:47	KJA	EET PEN
Total/NA	Prep	8011			33.8 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 18:09	KR	EET PEN

Client Sample ID: MW22-ROX-041725-DUP
Lab Sample ID: 400-274573-4
Date Collected: 04/17/25 09:55
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	707737	05/01/25 12:38	CAR	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708164	05/06/25 08:00	JAW	EET PEN
Total/NA	Prep	3511			30.3 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 08:00	JAW	EET PEN
Total/NA	Prep	3511	RA		30.3 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E	RA	1	0 mL	1.0 mL	708647	05/09/25 18:18	KJA	EET PEN
Total/NA	Prep	8011			34 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 18:31	KR	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: P57-ROX-041725
Lab Sample ID: 400-274573-5
Date Collected: 04/17/25 11:55
Matrix: Water
Date Received: 04/19/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	707579	04/30/25 16:33	CAR	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708164	05/06/25 08:31	JAW	EET PEN
Total/NA	Prep	3511			30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E		1	0 mL	1.0 mL	708165	05/06/25 08:31	JAW	EET PEN
Total/NA	Prep	3511	RA		30.5 mL	2 mL	706851	04/23/25 16:08	SM	EET PEN
Total/NA	Analysis	8270E	RA	1			708647	05/09/25 18:49	KJA	EET PEN
Total/NA	Prep	8011			33 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 18:52	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-706851/1-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 14:15	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 14:15	S1B	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707269/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 12:48	KR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707579/4
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	707579	04/30/25 15:13	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-707737/4
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	707737	05/01/25 10:34	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706851/2-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 14:47	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 14:47	S1B	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-706851/4-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 04:28	JAW	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707269/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 13:10	KR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707579/1002
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	707579	04/30/25 09:29	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-707737/1002
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	707737	05/01/25 09:21	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706851/3-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707858	05/02/25 15:18	S1B	EET PEN
Total/NA	Prep	3511			30 mL	2 mL	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			707859	05/02/25 15:18	S1B	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-706851/5-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	706851	04/23/25 16:06	SM	EET PEN
Total/NA	Analysis	8270E		1			708164	05/06/25 04:58	JAW	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-707269/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	707269	04/28/25 10:01	KR	EET PEN
Total/NA	Analysis	8011		1			707278	04/28/25 13:31	KR	EET PEN

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Job ID: 400-274573-1
Project/Site: ROXANA QUARTERLY GW

GC/MS VOA

Analysis Batch: 707579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-1	TB-ROX-041725-8260	Total/NA	Water	8260D	
400-274573-5	P57-ROX-041725	Total/NA	Water	8260D	
MB 400-707579/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707579/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 707737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-3	MW22-ROX-041725	Total/NA	Water	8260D	
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	8260D	
MB 400-707737/4	Method Blank	Total/NA	Water	8260D	
LCS 400-707737/1002	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 706851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-3	MW22-ROX-041725	Total/NA	Water	3511	
400-274573-3 - RA	MW22-ROX-041725	Total/NA	Water	3511	
400-274573-4 - RA	MW22-ROX-041725-DUP	Total/NA	Water	3511	
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	3511	
400-274573-5	P57-ROX-041725	Total/NA	Water	3511	
400-274573-5 - RA	P57-ROX-041725	Total/NA	Water	3511	
MB 400-706851/1-A	Method Blank	Total/NA	Water	3511	
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 400-706851/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	3511	
LCSD 400-706851/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 707858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706851/1-A	Method Blank	Total/NA	Water	8270E	706851
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 707859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-706851/1-A	Method Blank	Total/NA	Water	8270E	706851
LCS 400-706851/2-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 708164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-3	MW22-ROX-041725	Total/NA	Water	8270E	706851
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	8270E	706851
400-274573-5	P57-ROX-041725	Total/NA	Water	8270E	706851
LCS 400-706851/4-A	Lab Control Sample	Total/NA	Water	8270E	706851
LCSD 400-706851/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	706851

Analysis Batch: 708165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-3	MW22-ROX-041725	Total/NA	Water	8270E	706851

GC/MS Semi VOA (Continued)

Analysis Batch: 708165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	8270E	706851
400-274573-5	P57-ROX-041725	Total/NA	Water	8270E	706851

Analysis Batch: 708647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-3 - RA	MW22-ROX-041725	Total/NA	Water	8270E	706851
400-274573-4 - RA	MW22-ROX-041725-DUP	Total/NA	Water	8270E	706851
400-274573-5 - RA	P57-ROX-041725	Total/NA	Water	8270E	706851

GC Semi VOA

Prep Batch: 707269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-2	TB-ROX-041725-8011	Total/NA	Water	8011	
400-274573-3	MW22-ROX-041725	Total/NA	Water	8011	
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	8011	
400-274573-5	P57-ROX-041725	Total/NA	Water	8011	
MB 400-707269/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-707269/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-707269/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 707278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-274573-2	TB-ROX-041725-8011	Total/NA	Water	8011	707269
400-274573-3	MW22-ROX-041725	Total/NA	Water	8011	707269
400-274573-4	MW22-ROX-041725-DUP	Total/NA	Water	8011	707269
400-274573-5	P57-ROX-041725	Total/NA	Water	8011	707269
MB 400-707269/1-A	Method Blank	Total/NA	Water	8011	707269
LCS 400-707269/2-A	Lab Control Sample	Total/NA	Water	8011	707269
LCSD 400-707269/3-A	Lab Control Sample Dup	Total/NA	Water	8011	707269

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			04/30/25 15:13	1
Acrolein	ND		20	3.3	ug/L			04/30/25 15:13	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/25 15:13	1
Benzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/25 15:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Bromoform	ND		5.0	0.25	ug/L			04/30/25 15:13	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/25 15:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/25 15:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/30/25 15:13	1
Chlorobenzene	ND		1.0	0.42	ug/L			04/30/25 15:13	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/25 15:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/25 15:13	1
Chloroform	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1-Chlorohexane	ND		1.0	0.32	ug/L			04/30/25 15:13	1
Chloromethane	ND		1.0	0.40	ug/L			04/30/25 15:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/30/25 15:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/25 15:13	1
Dibromochloromethane	ND		1.0	0.24	ug/L			04/30/25 15:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/25 15:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/25 15:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/25 15:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			04/30/25 15:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
1,1-Dichloropropene	ND		1.0	0.090	ug/L			04/30/25 15:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/25 15:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/25 15:13	1
2-Hexanone	ND		25	4.3	ug/L			04/30/25 15:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/25 15:13	1
Methylene bromide	ND		5.0	0.22	ug/L			04/30/25 15:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/25 15:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/25 15:13	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			04/30/25 15:13	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
Naphthalene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/25 15:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/25 15:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/25 15:13	1
o-Xylene	ND		5.0	3.0	ug/L			04/30/25 15:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/25 15:13	1

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

Lab Sample ID: MB 400-707579/4
Matrix: Water
Analysis Batch: 707579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/25 15:13	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/30/25 15:13	1
Styrene	ND		1.0	1.0	ug/L			04/30/25 15:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/25 15:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			04/30/25 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Tetrachloroethene	ND		1.0	0.33	ug/L			04/30/25 15:13	1
Toluene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/25 15:13	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			04/30/25 15:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			04/30/25 15:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			04/30/25 15:13	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			04/30/25 15:13	1
Trichloroethene	ND		1.0	0.15	ug/L			04/30/25 15:13	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			04/30/25 15:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/25 15:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/25 15:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/25 15:13	1
Vinyl acetate	ND		25	0.93	ug/L			04/30/25 15:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/25 15:13	1
Xylenes, Total	ND		10	6.0	ug/L			04/30/25 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*56 - 136*		*04/30/25 15:13*	*1*
Dibromofluoromethane	*111*		*79 - 130*		*04/30/25 15:13*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/30/25 15:13*	*1*

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	222		ug/L		111	43 - 150
Acrolein	500	552		ug/L		110	38 - 150
Acrylonitrile	500	574		ug/L		115	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	54.0		ug/L		108	70 - 132
Bromochloromethane	50.0	58.3		ug/L		117	70 - 130
Bromodichloromethane	50.0	54.7		ug/L		109	67 - 133
Bromoform	50.0	45.9		ug/L		92	57 - 140
Bromomethane	50.0	47.2		ug/L		94	10 - 150
2-Butanone (MEK)	200	184		ug/L		92	61 - 145
Carbon disulfide	50.0	55.5		ug/L		111	61 - 137
Carbon tetrachloride	50.0	57.4		ug/L		115	61 - 137
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130
Chloroethane	50.0	56.3		ug/L		113	55 - 141
2-Chloroethyl vinyl ether	50.0	53.6		ug/L		107	10 - 150

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	55.8		ug/L		112	69 - 130
1-Chlorohexane	50.0	56.2		ug/L		112	69 - 130
Chloromethane	50.0	53.9		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	58.6		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	69 - 132
Dibromochloromethane	50.0	51.3		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	67 - 130
1,3-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	40.9		ug/L		82	41 - 146
1,1-Dichloroethane	50.0	58.6		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.2		ug/L		118	69 - 130
1,1-Dichloroethene	50.0	54.9		ug/L		110	63 - 134
1,2-Dichloropropane	50.0	58.7		ug/L		117	70 - 130
1,3-Dichloropropane	50.0	49.5		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.3		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130
Ethyl methacrylate	50.0	45.0		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	60.6		ug/L		121	53 - 140
2-Hexanone	200	208		ug/L		104	65 - 137
Isopropylbenzene	50.0	53.9		ug/L		108	70 - 130
Methylene bromide	50.0	53.2		ug/L		106	70 - 130
Methylene Chloride	50.0	55.6		ug/L		111	66 - 135
4-Methyl-2-pentanone (MIBK)	200	225		ug/L		113	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	51.3		ug/L		103	70 - 130
Naphthalene	50.0	44.8		ug/L		90	47 - 149
n-Butylbenzene	50.0	46.0		ug/L		92	67 - 130
N-Propylbenzene	50.0	51.7		ug/L		103	70 - 130
o-Chlorotoluene	50.0	43.5		ug/L		87	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
p-Chlorotoluene	50.0	48.2		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	51.0		ug/L		102	65 - 130
sec-Butylbenzene	50.0	51.1		ug/L		102	66 - 130
Styrene	50.0	52.9		ug/L		106	70 - 130
tert-Butylbenzene	50.0	47.0		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.7		ug/L		83	70 - 131
Tetrachloroethene	50.0	54.8		ug/L		110	65 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	49.0		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	54.4		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	57.0		ug/L		114	60 - 140
1,1,1-Trichloroethane	50.0	54.6		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130
Trichloroethene	50.0	58.8		ug/L		118	70 - 130
Trichlorofluoromethane	50.0	57.7		ug/L		115	65 - 138

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

Lab Sample ID: LCS 400-707579/1002
Matrix: Water
Analysis Batch: 707579

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	43.1		ug/L		86	70 - 130
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	50.0	49.1		ug/L		98	69 - 130
Vinyl acetate	100	97.3		ug/L		97	26 - 150
Vinyl chloride	50.0	51.1		ug/L		102	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

Lab Sample ID: MB 400-707737/4
Matrix: Water
Analysis Batch: 707737

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			05/01/25 10:34	1
Acrolein	ND		20	3.3	ug/L			05/01/25 10:34	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/25 10:34	1
Benzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/25 10:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/25 10:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Bromoform	ND		5.0	0.25	ug/L			05/01/25 10:34	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/25 10:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/25 10:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			05/01/25 10:34	1
Chlorobenzene	ND		1.0	0.42	ug/L			05/01/25 10:34	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/25 10:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/25 10:34	1
Chloroform	ND		1.0	0.90	ug/L			05/01/25 10:34	1
1-Chlorohexane	ND		1.0	0.32	ug/L			05/01/25 10:34	1
Chloromethane	ND		1.0	0.40	ug/L			05/01/25 10:34	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/01/25 10:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/25 10:34	1
Dibromochloromethane	ND		1.0	0.24	ug/L			05/01/25 10:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/25 10:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/25 10:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/25 10:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,2-Dichloroethane	ND		1.0	0.55	ug/L			05/01/25 10:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/25 10:34	1

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

Lab Sample ID: MB 400-707737/4
Matrix: Water
Analysis Batch: 707737

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			05/01/25 10:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/25 10:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/25 10:34	1
2-Hexanone	ND		25	4.3	ug/L			05/01/25 10:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/25 10:34	1
Methylene bromide	ND		5.0	0.22	ug/L			05/01/25 10:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/25 10:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/25 10:34	1
Methyl tert-butyl ether	ND		1.0	0.22	ug/L			05/01/25 10:34	1
m-Xylene & p-Xylene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
Naphthalene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/25 10:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/25 10:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/25 10:34	1
o-Xylene	ND		5.0	3.0	ug/L			05/01/25 10:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/25 10:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/25 10:34	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/01/25 10:34	1
Styrene	ND		1.0	1.0	ug/L			05/01/25 10:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/25 10:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.38	ug/L			05/01/25 10:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Tetrachloroethene	ND		1.0	0.33	ug/L			05/01/25 10:34	1
Toluene	ND		1.0	0.90	ug/L			05/01/25 10:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/25 10:34	1
trans-1,3-Dichloropropene	ND		5.0	0.20	ug/L			05/01/25 10:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.90	ug/L			05/01/25 10:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/25 10:34	1
1,1,1-Trichloroethane	ND		1.0	0.18	ug/L			05/01/25 10:34	1
1,1,2-Trichloroethane	ND		5.0	0.21	ug/L			05/01/25 10:34	1
Trichloroethene	ND		1.0	0.15	ug/L			05/01/25 10:34	1
Trichlorofluoromethane	ND		1.0	0.25	ug/L			05/01/25 10:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/25 10:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/25 10:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/25 10:34	1
Vinyl acetate	ND		25	0.93	ug/L			05/01/25 10:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/25 10:34	1
Xylenes, Total	ND		10	6.0	ug/L			05/01/25 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*56 - 136*		*05/01/25 10:34*	*1*
Dibromofluoromethane	*112*		*79 - 130*		*05/01/25 10:34*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*05/01/25 10:34*	*1*

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

Lab Sample ID: LCS 400-707737/1002
Matrix: Water
Analysis Batch: 707737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	200	229		ug/L		115	43 - 150
Acrolein	500	542		ug/L		108	38 - 150
Acrylonitrile	500	606		ug/L		121	64 - 142
Benzene	50.0	54.8		ug/L		110	70 - 130
Bromobenzene	50.0	54.9		ug/L		110	70 - 132
Bromochloromethane	50.0	57.9		ug/L		116	70 - 130
Bromodichloromethane	50.0	54.0		ug/L		108	67 - 133
Bromoform	50.0	47.8		ug/L		96	57 - 140
Bromomethane	50.0	42.7		ug/L		85	10 - 150
2-Butanone (MEK)	200	195		ug/L		97	61 - 145
Carbon disulfide	50.0	56.7		ug/L		113	61 - 137
Carbon tetrachloride	50.0	56.8		ug/L		114	61 - 137
Chlorobenzene	50.0	51.3		ug/L		103	70 - 130
Chloroethane	50.0	54.5		ug/L		109	55 - 141
2-Chloroethyl vinyl ether	50.0	54.2		ug/L		108	10 - 150
Chloroform	50.0	55.8		ug/L		112	69 - 130
1-Chlorohexane	50.0	54.5		ug/L		109	69 - 130
Chloromethane	50.0	51.1		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	58.7		ug/L		117	68 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	69 - 132
Dibromochloromethane	50.0	50.6		ug/L		101	67 - 135
1,2-Dichlorobenzene	50.0	53.1		ug/L		106	67 - 130
1,3-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	54.1		ug/L		108	70 - 130
Dichlorodifluoromethane	50.0	37.3		ug/L		75	41 - 146
1,1-Dichloroethane	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.8		ug/L		120	69 - 130
1,1-Dichloroethene	50.0	54.2		ug/L		108	63 - 134
1,2-Dichloropropane	50.0	58.8		ug/L		118	70 - 130
1,3-Dichloropropane	50.0	49.3		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.4		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Ethyl methacrylate	50.0	45.4		ug/L		91	68 - 130
Hexachlorobutadiene	50.0	61.9		ug/L		124	53 - 140
2-Hexanone	200	217		ug/L		109	65 - 137
Isopropylbenzene	50.0	52.8		ug/L		106	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	56.7		ug/L		113	66 - 135
4-Methyl-2-pentanone (MIBK)	200	233		ug/L		117	69 - 138
Methyl tert-butyl ether	50.0	50.8		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	50.4		ug/L		101	70 - 130
Naphthalene	50.0	47.3		ug/L		95	47 - 149
n-Butylbenzene	50.0	46.8		ug/L		94	67 - 130
N-Propylbenzene	50.0	52.4		ug/L		105	70 - 130
o-Chlorotoluene	50.0	44.0		ug/L		88	70 - 130
o-Xylene	50.0	50.1		ug/L		100	70 - 130
p-Chlorotoluene	50.0	48.5		ug/L		97	70 - 130

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

Lab Sample ID: LCS 400-707737/1002
Matrix: Water
Analysis Batch: 707737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	50.0	51.7		ug/L		103	65 - 130
sec-Butylbenzene	50.0	51.8		ug/L		104	66 - 130
Styrene	50.0	51.5		ug/L		103	70 - 130
tert-Butylbenzene	50.0	47.9		ug/L		96	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.6		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/L		88	70 - 131
Tetrachloroethene	50.0	53.9		ug/L		108	65 - 130
Toluene	50.0	48.7		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	54.0		ug/L		108	70 - 130
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	55.4		ug/L		111	60 - 138
1,2,4-Trichlorobenzene	50.0	58.3		ug/L		117	60 - 140
1,1,1-Trichloroethane	50.0	54.3		ug/L		109	68 - 130
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	70 - 130
Trichloroethene	50.0	59.0		ug/L		118	70 - 130
Trichlorofluoromethane	50.0	57.0		ug/L		114	65 - 138
1,2,3-Trichloropropane	50.0	45.2		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	69 - 130
Vinyl acetate	100	99.4		ug/L		99	26 - 150
Vinyl chloride	50.0	49.1		ug/L		98	59 - 136
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*56 - 136*
Dibromofluoromethane	*108*		*79 - 130*
Toluene-d8 (Surr)	*93*		*64 - 132*

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.085	ug/L		04/23/25 16:06	05/02/25 14:15	1
Aniline	ND		10	0.74	ug/L		04/23/25 16:06	05/02/25 14:15	1
Acenaphthylene	ND		0.20	0.047	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzenethiol	ND		10	0.60	ug/L		04/23/25 16:06	05/02/25 14:15	1
Anthracene	ND		0.20	0.073	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzoic acid	ND		30	27	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzyl alcohol	ND		10	1.9	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[a]pyrene	ND		0.20	0.045	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-chloroethoxy)methane	ND		10	0.34	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[b]fluoranthene	ND		0.20	0.042	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-chloroethyl)ether	ND		10	0.14	ug/L		04/23/25 16:06	05/02/25 14:15	1
Benzo[g,h,i]perylene	ND		0.20	0.052	ug/L		04/23/25 16:06	05/02/25 14:15	1
bis (2-chloroisopropyl) ether	ND		10	0.20	ug/L		04/23/25 16:06	05/02/25 14:15	1

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		04/23/25 16:06	05/02/25 14:15	1
Bis(2-ethylhexyl) phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Bromophenyl phenyl ether	ND		10	0.13	ug/L		04/23/25 16:06	05/02/25 14:15	1
Chrysene	ND		0.20	0.039	ug/L		04/23/25 16:06	05/02/25 14:15	1
Butyl benzyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dibenz(a,h)anthracene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chloroaniline	ND		10	0.28	ug/L		04/23/25 16:06	05/02/25 14:15	1
Fluoranthene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chloro-3-methylphenol	ND		10	0.73	ug/L		04/23/25 16:06	05/02/25 14:15	1
Fluorene	ND		0.20	0.087	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Chloronaphthalene	ND		10	0.38	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Chlorophenol	ND		10	0.22	ug/L		04/23/25 16:06	05/02/25 14:15	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.032	ug/L		04/23/25 16:06	05/02/25 14:15	1
1-Methylnaphthalene	ND		0.20	0.066	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Chlorophenyl phenyl ether	ND		10	0.24	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dibenz[a,h]acridine	ND		10	0.69	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dibenzofuran	ND		10	0.15	ug/L		04/23/25 16:06	05/02/25 14:15	1
3,3'-Dichlorobenzidine	ND		11	0.41	ug/L		04/23/25 16:06	05/02/25 14:15	1
Phenanthrene	ND		0.20	0.044	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dichlorophenol	ND		10	0.57	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pyrene	ND		0.20	0.095	ug/L		04/23/25 16:06	05/02/25 14:15	1
Diethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dimethylphenol	ND		10	0.24	ug/L		04/23/25 16:06	05/02/25 14:15	1
Dimethyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
Di-n-butyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dinitrophenol	ND		30	4.7	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4-Dinitrotoluene	ND		10	0.65	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,6-Dinitrotoluene	ND		10	0.29	ug/L		04/23/25 16:06	05/02/25 14:15	1
Di-n-octyl phthalate	ND		10	4.0	ug/L		04/23/25 16:06	05/02/25 14:15	1
1,4-Dioxane	ND		10	0.070	ug/L		04/23/25 16:06	05/02/25 14:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	0.32	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachlorobenzene	ND		10	0.25	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachlorocyclopentadiene	ND		20	0.32	ug/L		04/23/25 16:06	05/02/25 14:15	1
Hexachloroethane	ND		10	0.53	ug/L		04/23/25 16:06	05/02/25 14:15	1
Indene	ND		10	0.44	ug/L		04/23/25 16:06	05/02/25 14:15	1
Isophorone	ND		10	0.80	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Methylphenol	ND		10	0.30	ug/L		04/23/25 16:06	05/02/25 14:15	1
3 & 4 Methylphenol	ND		20	0.18	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Nitroaniline	ND		10	1.4	ug/L		04/23/25 16:06	05/02/25 14:15	1
3-Nitroaniline	ND		10	0.95	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Nitroaniline	ND		10	1.2	ug/L		04/23/25 16:06	05/02/25 14:15	1
Nitrobenzene	ND		10	0.60	ug/L		04/23/25 16:06	05/02/25 14:15	1
2-Nitrophenol	ND		10	1.2	ug/L		04/23/25 16:06	05/02/25 14:15	1
4-Nitrophenol	ND		10	2.7	ug/L		04/23/25 16:06	05/02/25 14:15	1
N-Nitrosodimethylamine	ND		10	0.23	ug/L		04/23/25 16:06	05/02/25 14:15	1
N-Nitrosodi-n-propylamine	ND		10	0.33	ug/L		04/23/25 16:06	05/02/25 14:15	1

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

Lab Sample ID: MB 400-706851/1-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pentachlorophenol	ND		10	0.41	ug/L		04/23/25 16:06	05/02/25 14:15	1
Phenol	ND		10	0.27	ug/L		04/23/25 16:06	05/02/25 14:15	1
Pyridine	ND		10	0.64	ug/L		04/23/25 16:06	05/02/25 14:15	1
Quinoline	ND		10	0.50	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4,5-Trichlorophenol	ND		10	0.54	ug/L		04/23/25 16:06	05/02/25 14:15	1
2,4,6-Trichlorophenol	ND		10	1.1	ug/L		04/23/25 16:06	05/02/25 14:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Terphenyl-d14	*63*		*43 - 147*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2-Fluorobiphenyl	*83*		*15 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2-Fluorophenol	*122*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Nitrobenzene-d5	*105*		*50 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Phenol-d5	*112*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
Terphenyl-d14	*63*		*43 - 147*	*04/23/25 16:06*	*05/02/25 14:15*	*1*
2,4,6-Tribromophenol	*114*		*10 - 150*	*04/23/25 16:06*	*05/02/25 14:15*	*1*

Lab Sample ID: LCS 400-706851/2-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	25.0	14.1		ug/L		56	44 - 122
Aniline	25.0	7.96	J	ug/L		32	10 - 150
Acenaphthylene	25.0	14.7		ug/L		59	42 - 125
Anthracene	25.0	15.2		ug/L		61	51 - 136
Benzoic acid	214	384	E	ug/L		179	10 - 180
Benzo[a]anthracene	25.0	15.7		ug/L		63	50 - 138
Benzyl alcohol	25.0	6.03	J	ug/L		24	10 - 150
Benzo[a]pyrene	25.0	14.6		ug/L		58	53 - 134
Bis(2-chloroethoxy)methane	25.0	20.3		ug/L		81	60 - 123
Benzo[b]fluoranthene	25.0	16.3		ug/L		65	50 - 134
Bis(2-chloroethyl)ether	25.0	17.2		ug/L		69	45 - 127
Benzo[g,h,i]perylene	25.0	15.4		ug/L		62	42 - 138
bis (2-chloroisopropyl) ether	25.0	17.1		ug/L		68	10 - 150
Benzo[k]fluoranthene	25.0	15.3		ug/L		61	55 - 136
Bis(2-ethylhexyl) phthalate	25.0	18.3		ug/L		73	10 - 147
4-Bromophenyl phenyl ether	25.0	14.5		ug/L		58	50 - 126
Chrysene	25.0	14.9		ug/L		60	53 - 141
Butyl benzyl phthalate	25.0	19.7		ug/L		79	36 - 137
Dibenz(a,h)anthracene	25.0	15.6		ug/L		62	41 - 139
4-Chloroaniline	25.0	9.36	J	ug/L		37	10 - 150
Fluoranthene	25.0	14.7		ug/L		59	49 - 141
4-Chloro-3-methylphenol	25.0	21.4		ug/L		85	14 - 150
Fluorene	25.0	15.7		ug/L		63	41 - 136
2-Chloronaphthalene	25.0	16.9		ug/L		68	44 - 122

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

Lab Sample ID: LCS 400-706851/2-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	25.0	21.2		ug/L		85	10 - 150
Indeno[1,2,3-cd]pyrene	25.0	15.7		ug/L		63	30 - 150
1-Methylnaphthalene	25.0	15.2		ug/L		61	36 - 117
4-Chlorophenyl phenyl ether	25.0	14.0		ug/L		56	51 - 125
2-Methylnaphthalene	25.0	15.3		ug/L		61	31 - 115
Dibenz[a,h]acridine	49.9	35.4		ug/L		71	50 - 150
Dibenzofuran	25.0	16.1		ug/L		65	55 - 125
3,3'-Dichlorobenzidine	33.3	17.0		ug/L		51	10 - 150
Phenanthrene	25.0	15.0		ug/L		60	50 - 133
2,4-Dichlorophenol	25.0	19.4		ug/L		78	11 - 150
Pyrene	25.0	15.0		ug/L		60	46 - 149
Diethyl phthalate	25.0	18.0		ug/L		72	61 - 130
2,4-Dimethylphenol	25.0	14.5		ug/L		58	5 - 150
Dimethyl phthalate	25.0	17.9		ug/L		72	55 - 139
Di-n-butyl phthalate	25.0	16.6		ug/L		66	50 - 150
4,6-Dinitro-ortho-cresol	50.0	57.3		ug/L		115	10 - 150
2,4-Dinitrophenol	50.0	64.9		ug/L		130	10 - 150
2,4-Dinitrotoluene	25.0	20.4		ug/L		82	46 - 137
2,6-Dinitrotoluene	25.0	22.0		ug/L		88	35 - 150
Di-n-octyl phthalate	25.0	20.0		ug/L		80	10 - 150
1,4-Dioxane	25.0	15.4		ug/L		61	10 - 137
1,2-Diphenylhydrazine (as Azobenzene)	25.0	15.8	I	ug/L		63	49 - 125
Hexachlorobenzene	25.0	15.1		ug/L		60	53 - 126
Hexachlorocyclopentadiene	25.0	20.7		ug/L		83	10 - 150
Hexachloroethane	25.0	14.6		ug/L		58	10 - 112
Indene	50.0	29.7		ug/L		59	50 - 150
Isophorone	25.0	16.7		ug/L		67	51 - 125
2-Methylphenol	25.0	16.7		ug/L		67	42 - 120
3 & 4 Methylphenol	25.0	22.0		ug/L		88	10 - 150
2-Nitroaniline	25.0	22.2		ug/L		89	10 - 150
3-Nitroaniline	25.0	22.7		ug/L		91	10 - 150
4-Nitroaniline	25.0	26.2		ug/L		105	10 - 144
Nitrobenzene	25.0	18.4		ug/L		73	57 - 138
2-Nitrophenol	25.0	26.7		ug/L		107	21 - 150
4-Nitrophenol	50.0	42.3		ug/L		85	10 - 150
N-Nitrosodimethylamine	25.0	15.8		ug/L		63	10 - 136
N-Nitrosodi-n-propylamine	25.0	18.5		ug/L		74	53 - 134
N-Nitrosodiphenylamine	24.8	16.6		ug/L		67	62 - 132
Pentachlorophenol	50.0	57.8		ug/L		116	16 - 150
Phenol	25.0	22.6		ug/L		90	10 - 150
Pyridine	50.0	17.3		ug/L		35	10 - 150
Quinoline	49.9	23.5	*-	ug/L		47	50 - 150
2,4,5-Trichlorophenol	25.0	21.0		ug/L		84	10 - 150
2,4,6-Trichlorophenol	25.0	22.1		ug/L		89	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*15 - 150*

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

Lab Sample ID: LCS 400-706851/2-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	93		50 - 150
Terphenyl-d14	68		43 - 147
2-Fluorobiphenyl	75		15 - 150
2-Fluorophenol	121		10 - 150
Nitrobenzene-d5	93		50 - 150
Phenol-d5	120		10 - 150
Terphenyl-d14	68		43 - 147
2,4,6-Tribromophenol	117		10 - 150

Lab Sample ID: LCS 400-706851/4-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzenethiol			50.0	21.0		ug/L		42	10 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	85		15 - 150
2-Fluorophenol	123		10 - 150
Nitrobenzene-d5	103		50 - 150
Phenol-d5	93		10 - 150
Terphenyl-d14	84		43 - 147
2,4,6-Tribromophenol	104		10 - 150

Lab Sample ID: LCSD 400-706851/3-A
Matrix: Water
Analysis Batch: 707858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			25.0	15.0		ug/L		60	44 - 122	6	40
Aniline			25.0	6.99	J	ug/L		28	10 - 150	13	40
Acenaphthylene			25.0	15.5		ug/L		62	42 - 125	5	40
Anthracene			25.0	16.5		ug/L		66	51 - 136	8	40
Benzoic acid			214	369	E	ug/L		172	10 - 180	4	40
Benzo[a]anthracene			25.0	17.7		ug/L		71	50 - 138	12	40
Benzyl alcohol			25.0	7.16	J	ug/L		29	10 - 150	17	40
Benzo[a]pyrene			25.0	15.8		ug/L		63	53 - 134	8	40
Bis(2-chloroethoxy)methane			25.0	21.5		ug/L		86	60 - 123	6	40
Benzo[b]fluoranthene			25.0	18.4		ug/L		73	50 - 134	12	40
Bis(2-chloroethyl)ether			25.0	17.7		ug/L		71	45 - 127	3	40
Benzo[g,h,i]perylene			25.0	16.5		ug/L		66	42 - 138	7	40
bis (2-chloroisopropyl) ether			25.0	17.3		ug/L		69	10 - 150	1	40
Benzo[k]fluoranthene			25.0	16.0		ug/L		64	55 - 136	5	40
Bis(2-ethylhexyl) phthalate			25.0	20.1		ug/L		80	10 - 147	10	40
4-Bromophenyl phenyl ether			25.0	15.4		ug/L		62	50 - 126	6	40
Chrysene			25.0	17.0		ug/L		68	53 - 141	13	40
Butyl benzyl phthalate			25.0	21.4		ug/L		86	36 - 137	8	40
Dibenz(a,h)anthracene			25.0	16.8		ug/L		67	41 - 139	8	40

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

Lab Sample ID: LCSD 400-706851/3-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	25.0	11.1		ug/L		45	10 - 150	17	40
Fluoranthene	25.0	16.2		ug/L		65	49 - 141	9	40
4-Chloro-3-methylphenol	25.0	19.5		ug/L		78	14 - 150	9	40
Fluorene	25.0	16.7		ug/L		67	41 - 136	6	40
2-Chloronaphthalene	25.0	17.9		ug/L		71	44 - 122	5	40
2-Chlorophenol	25.0	20.9		ug/L		84	10 - 150	1	40
Indeno[1,2,3-cd]pyrene	25.0	16.8		ug/L		67	30 - 150	7	40
1-Methylnaphthalene	25.0	16.4		ug/L		66	36 - 117	7	40
4-Chlorophenyl phenyl ether	25.0	15.0		ug/L		60	51 - 125	7	40
2-Methylnaphthalene	25.0	16.4		ug/L		66	31 - 115	7	40
Dibenz[a,h]acridine	49.9	34.5		ug/L		69	50 - 150	3	40
Dibenzofuran	25.0	17.1		ug/L		69	55 - 125	6	40
3,3'-Dichlorobenzidine	33.3	17.7		ug/L		53	10 - 150	4	40
Phenanthrene	25.0	16.3		ug/L		65	50 - 133	8	40
2,4-Dichlorophenol	25.0	19.9		ug/L		79	11 - 150	2	40
Pyrene	25.0	16.4		ug/L		65	46 - 149	9	40
Diethyl phthalate	25.0	18.8		ug/L		75	61 - 130	5	40
2,4-Dimethylphenol	25.0	14.9		ug/L		60	5 - 150	3	40
Dimethyl phthalate	25.0	18.5		ug/L		74	55 - 139	3	40
Di-n-butyl phthalate	25.0	17.9		ug/L		72	50 - 150	8	40
4,6-Dinitro-ortho-cresol	50.0	60.8		ug/L		122	10 - 150	6	40
2,4-Dinitrophenol	50.0	64.8		ug/L		130	10 - 150	0	40
2,4-Dinitrotoluene	25.0	21.7		ug/L		87	46 - 137	6	40
2,6-Dinitrotoluene	25.0	23.9		ug/L		96	35 - 150	8	40
Di-n-octyl phthalate	25.0	22.1		ug/L		89	10 - 150	10	40
1,4-Dioxane	25.0	17.1		ug/L		68	10 - 137	10	40
1,2-Diphenylhydrazine (as Azobenzene)	25.0	17.0	I	ug/L		68	49 - 125	7	40
Hexachlorobenzene	25.0	16.2		ug/L		65	53 - 126	7	40
Hexachlorocyclopentadiene	25.0	22.9		ug/L		92	10 - 150	10	40
Hexachloroethane	25.0	16.1		ug/L		64	10 - 112	10	40
Indene	50.0	27.0		ug/L		54	50 - 150	10	40
Isophorone	25.0	17.3		ug/L		69	51 - 125	4	40
2-Methylphenol	25.0	16.4		ug/L		65	42 - 120	2	40
3 & 4 Methylphenol	25.0	21.6	I	ug/L		87	10 - 150	2	40
2-Nitroaniline	25.0	23.8		ug/L		95	10 - 150	7	40
3-Nitroaniline	25.0	24.4		ug/L		98	10 - 150	7	40
4-Nitroaniline	25.0	27.7		ug/L		111	10 - 144	6	40
Nitrobenzene	25.0	18.9		ug/L		76	57 - 138	3	40
2-Nitrophenol	25.0	26.4		ug/L		106	21 - 150	1	40
4-Nitrophenol	50.0	49.5		ug/L		99	10 - 150	16	40
N-Nitrosodimethylamine	25.0	17.8		ug/L		71	10 - 136	12	40
N-Nitrosodi-n-propylamine	25.0	18.6		ug/L		74	53 - 134	0	40
N-Nitrosodiphenylamine	24.8	17.7		ug/L		71	62 - 132	6	40
Pentachlorophenol	50.0	60.4		ug/L		121	16 - 150	4	40
Phenol	25.0	25.6		ug/L		102	10 - 150	13	40
Pyridine	50.0	18.3		ug/L		37	10 - 150	6	40
Quinoline	49.9	25.8		ug/L		52	50 - 150	10	40
2,4,5-Trichlorophenol	25.0	21.2		ug/L		85	10 - 150	1	40

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

Lab Sample ID: LCSD 400-706851/3-A
Matrix: Water
Analysis Batch: 707859

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			25.0	20.7		ug/L		83	50 - 150	7	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*15 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Terphenyl-d14	*72*		*43 - 147*
2-Fluorobiphenyl	*75*		*15 - 150*
2-Fluorophenol	*121*		*10 - 150*
Nitrobenzene-d5	*91*		*50 - 150*
Phenol-d5	*121*		*10 - 150*
Terphenyl-d14	*72*		*43 - 147*
2,4,6-Tribromophenol	*110*		*10 - 150*

Lab Sample ID: LCSD 400-706851/5-A
Matrix: Water
Analysis Batch: 708164

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 706851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzenethiol			50.0	13.8	*1	ug/L		28	10 - 150	41	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 150*
2-Fluorophenol	*125*		*10 - 150*
Nitrobenzene-d5	*100*		*50 - 150*
Phenol-d5	*92*		*10 - 150*
Terphenyl-d14	*89*		*43 - 147*
2,4,6-Tribromophenol	*106*		*10 - 150*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-707269/1-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.017	ug/L		04/28/25 10:01	04/28/25 12:48	1
1,2-Dibromoethane	ND		0.020	0.015	ug/L		04/28/25 10:01	04/28/25 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*51 - 149*	*04/28/25 10:01*	*04/28/25 12:48*	*1*

Lab Sample ID: LCS 400-707269/2-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0882		ug/L		88	60 - 140		
1,2-Dibromoethane			0.100	0.0962		ug/L		96	60 - 140		

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

Lab Sample ID: LCS 400-707269/2-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707269

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		51 - 149

Lab Sample ID: LCSD 400-707269/3-A
Matrix: Water
Analysis Batch: 707278

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0946		ug/L		94	60 - 140	7	30
1,2-Dibromoethane			0.100	0.0965		ug/L		96	60 - 140	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		51 - 149

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER __ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Melissa Remiger	25278	DATE: 4/17/2025
PO #	**GSAP Project ID**	PAGE: __1__ of __1__
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 Groundwater

PROJECT CONTACT (Hardcopy or PDF Report to): Melissa Remiger, Mary Massa, Brett Howell

SAMPLER NAME(S) (Print): S.MCLEAN, E.CHALFANT

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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041725-8260	4/17/2025	0000	Water	2					2	X			
	TB-ROX-041725-8011	4/17/2025	0000	Water	2					2		X		
	MW22-ROX-041725	4/17/2025	0955	Water	6			4		10	X	X	X	X
	MW22-ROX-041725-DUP	4/17/2025	0955	Water	6			4		10	X	X	X	X
	P57-ROX-041725	4/17/2025	1155	Water	6			4		10	X	X	X	X

400-274573 Chain of Custody

EDC 04/17/25

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
E. CHALFANT	FEDEX: 423495985809 ;423496007059	4/17/2025	1600
		4/18/25	9:40

Version: 19Sept24

CUSTODY SEALS: 2779074, 2779075, 2779076, 2779077

0.4°C, 0.4°C, 1.2°C, 1.8°C

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5/12/2025

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: 4/17/2025
PO #	**GSAP Project ID**	PAGE: 1 of 1
60738191 – 3.2.2	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 – 3.2.2

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 2Q25 Groundwater

SAMPLER NAME(S) (Print): S.MCLEAN, E.CHALFANT

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 7 DAYS ☐ 5 DAYS ☐ 3 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

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270 SIMS
	TB-ROX-041725-8260	4/17/2025	0000	Water	2					2	X			
	TB-ROX-041725-8011	4/17/2025	0000	Water	2					2		X		
	MW22-ROX-041725	4/17/2025	0955	Water	6			4		10	X	X	X	X
	MW22-ROX-041725-DUP	4/17/2025	0955	Water	6			4		10	X	X	X	X
	P57-ROX-041725	4/17/2025	1155	Water	6			4		10	X	X	X	X

400-274573 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
E. CHALFANT	FEDEX: 423495985809 ;423496007059	4/17/2025	1600
		4/18/25	9:40

Version: 19Sept24

CUSTODY SEALS: 2779074, 2779075, 2779076, 2779077

0.4°C, 0.4°C, 1.2°C, 1.8

5/12/2025

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-274573-1

Login Number: 274573

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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	0.4°C, 0.4°C, 1.2°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-274573-1
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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
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	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	525-23-9-22801	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

Appendix D

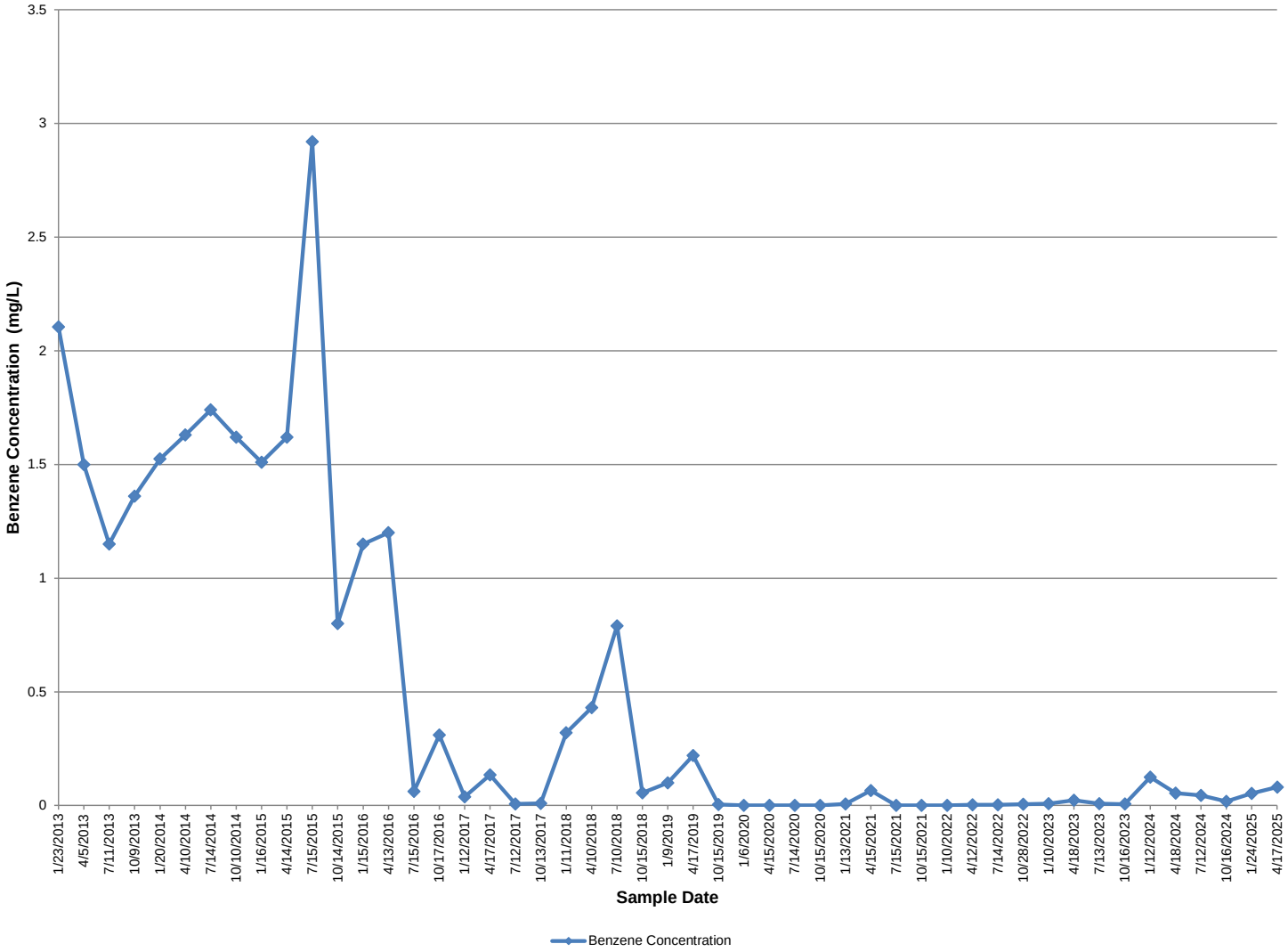
Appendix D – 1 Charts – Benzene Concentrations Over Time

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:

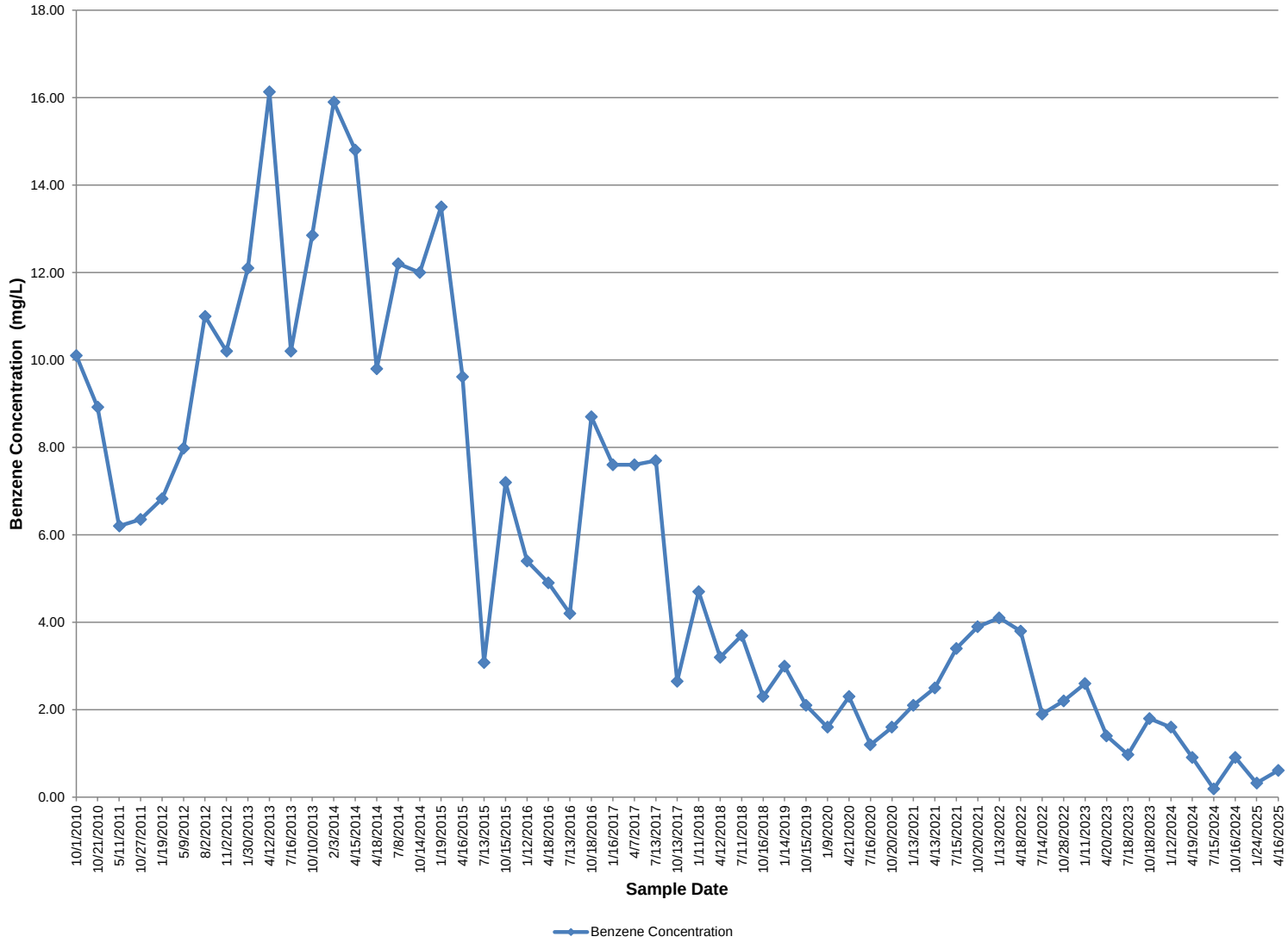
mg/L = milligrams per liter

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

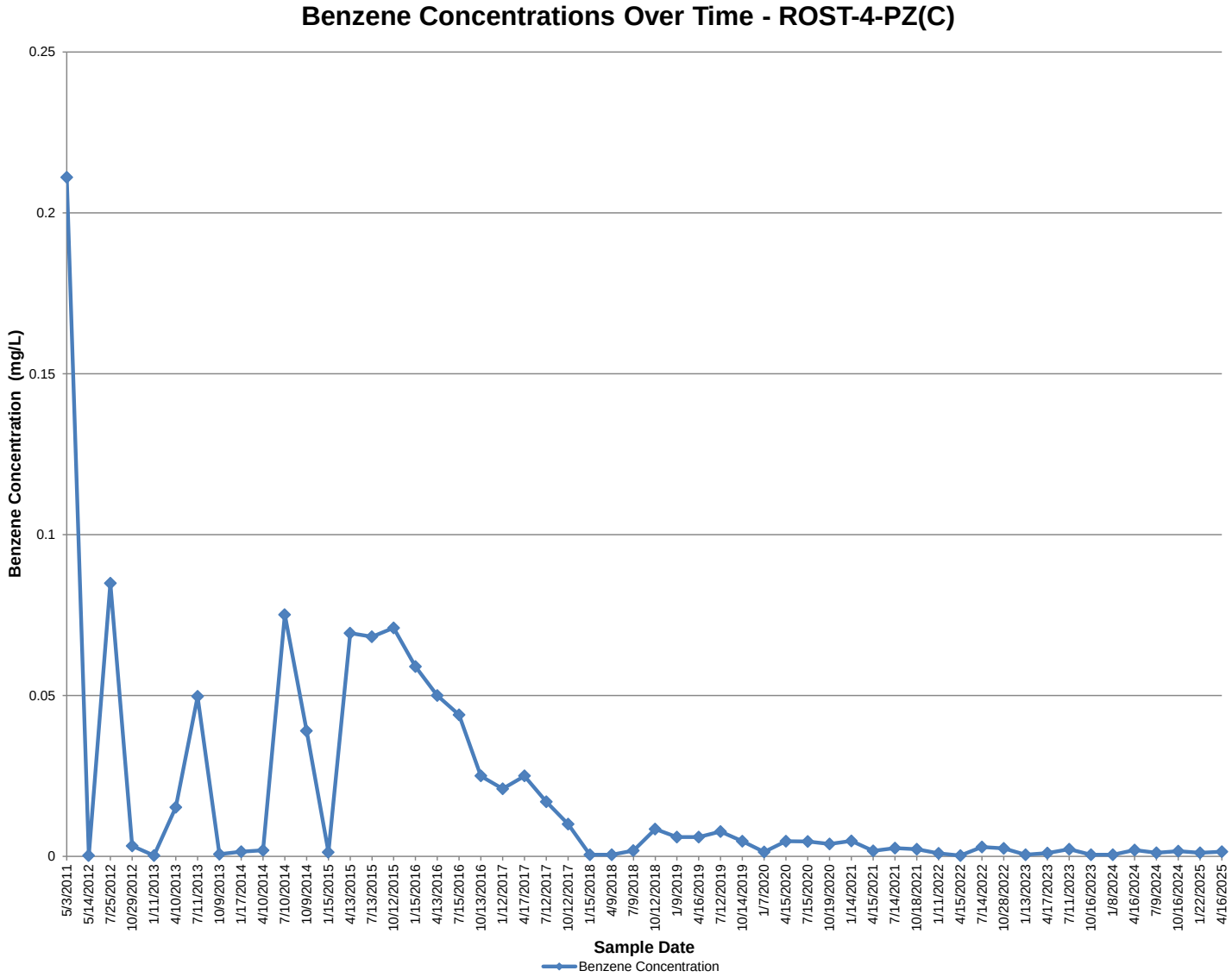


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



Notes:

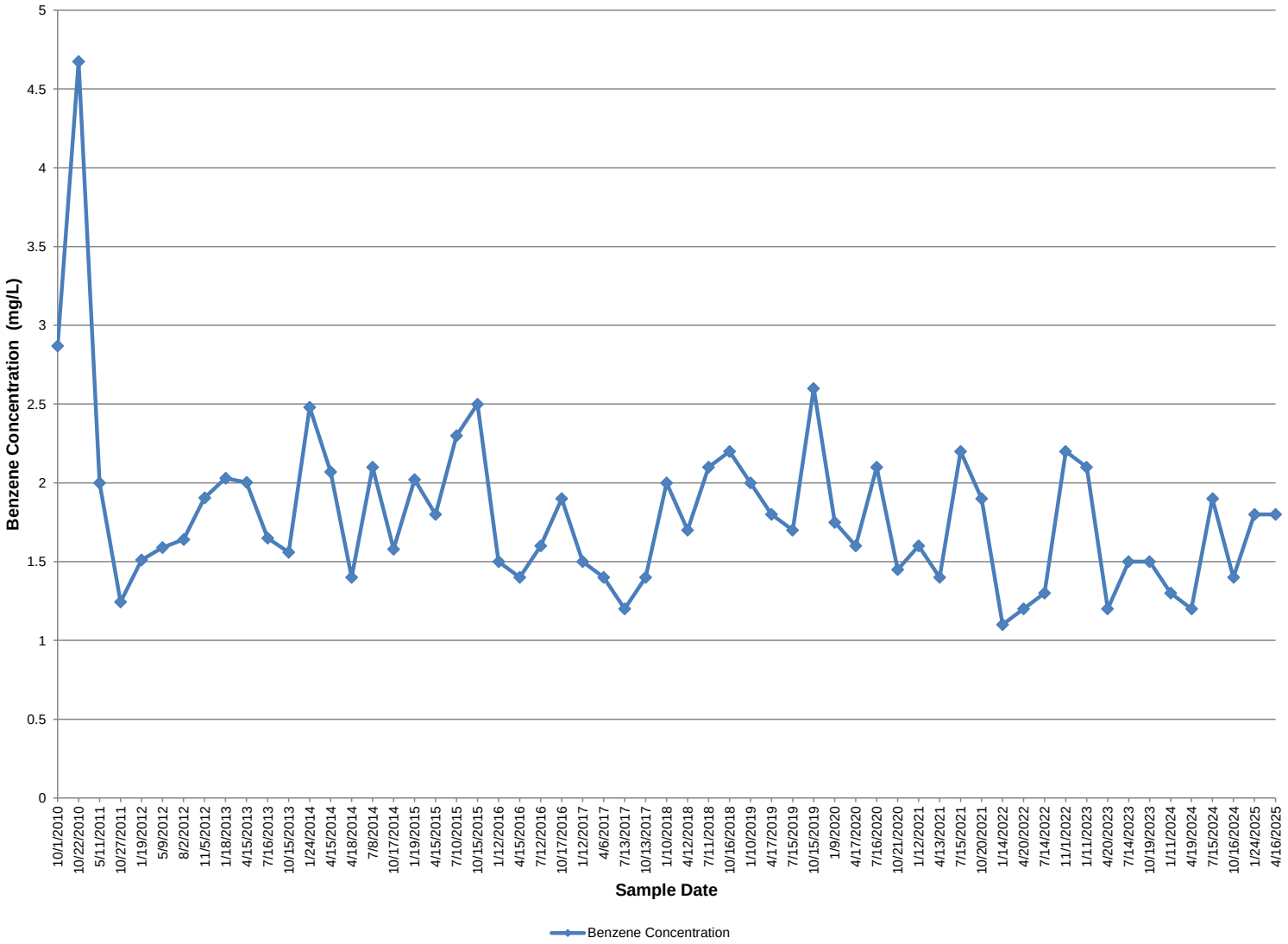
mg/L = milligrams per liter

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:

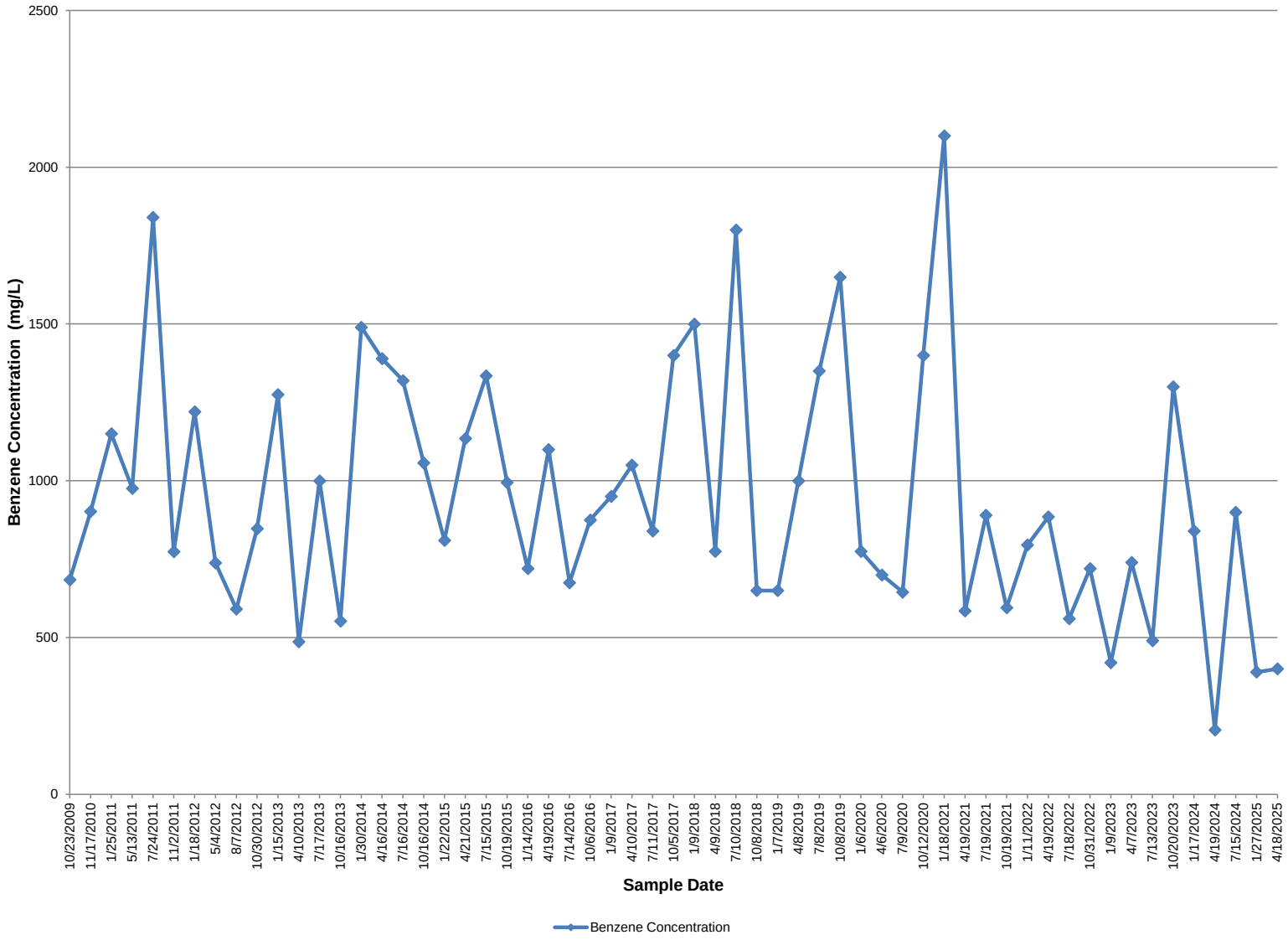
mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Public Works Yard Area

Benzene Concentrations Over Time - MW-07

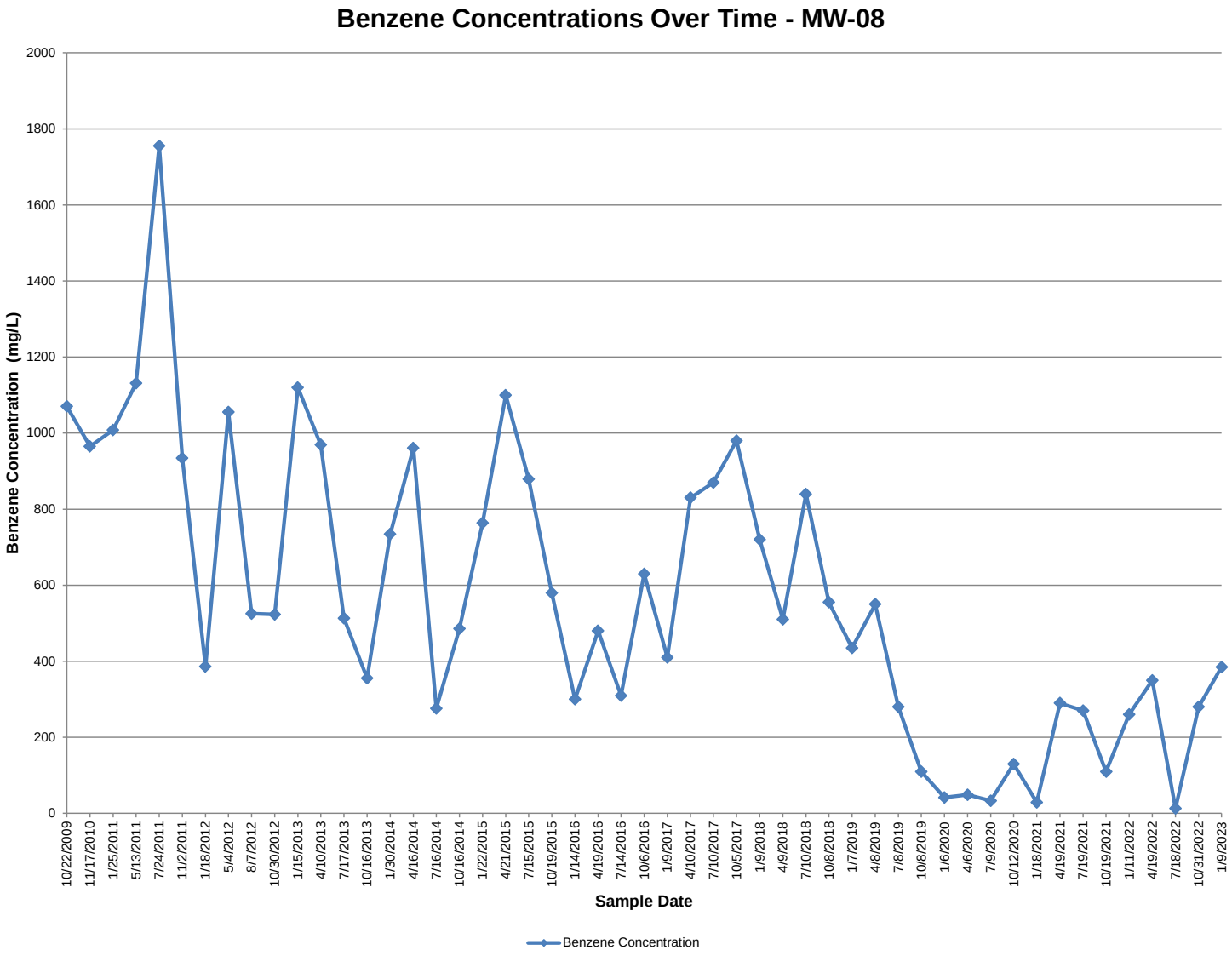


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



Notes:

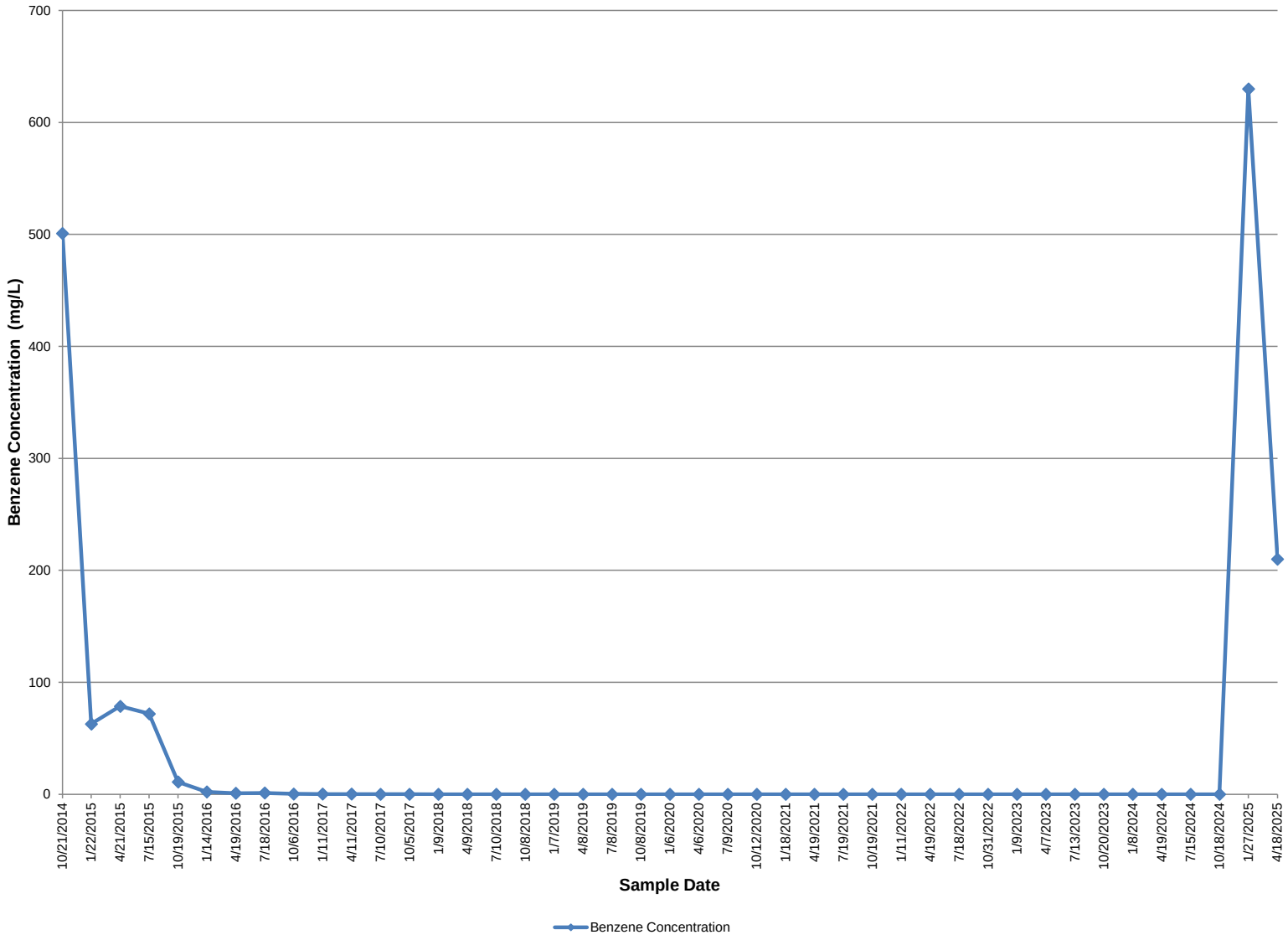
mg/L = milligrams per liter

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



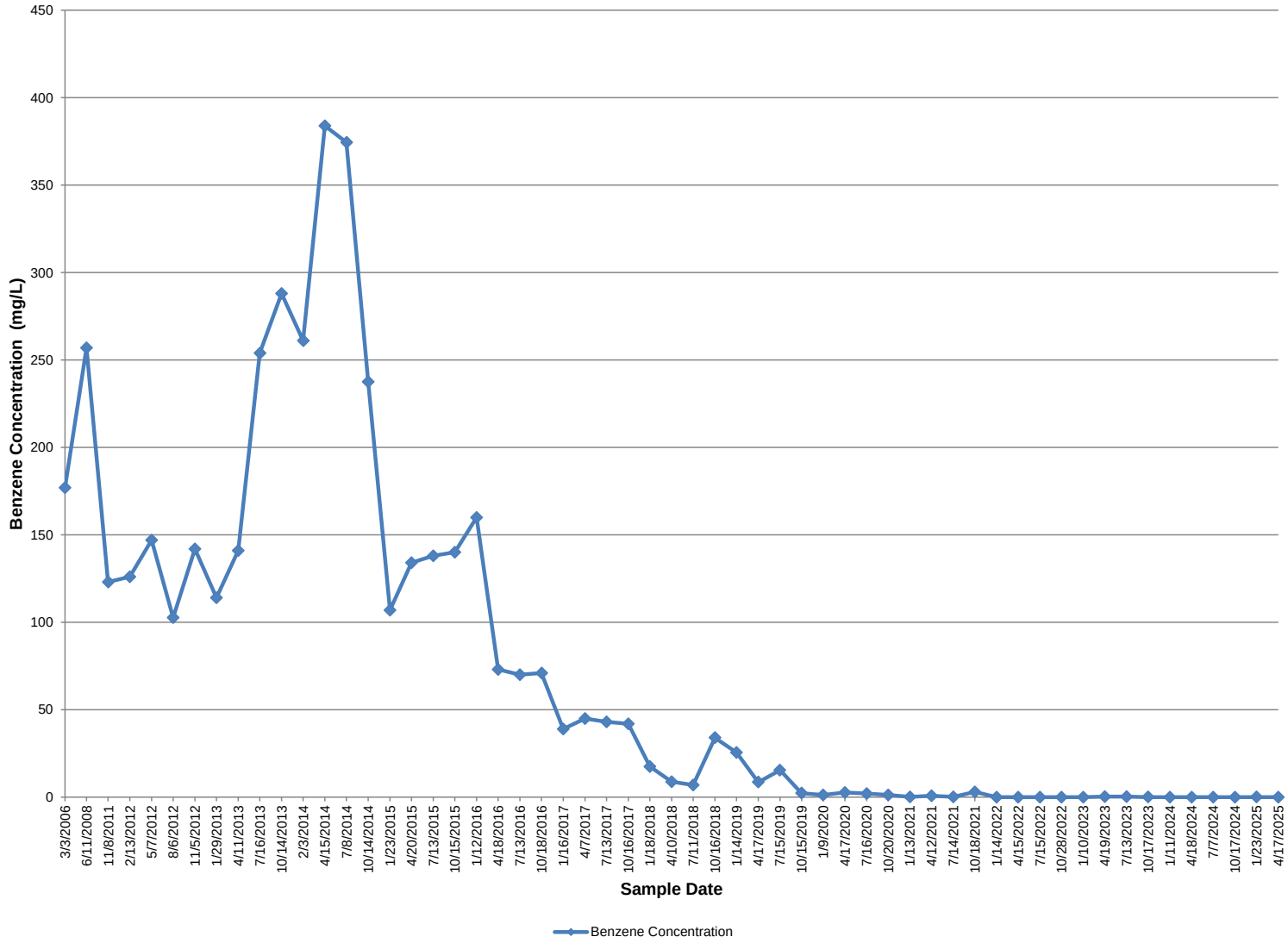
Notes:

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

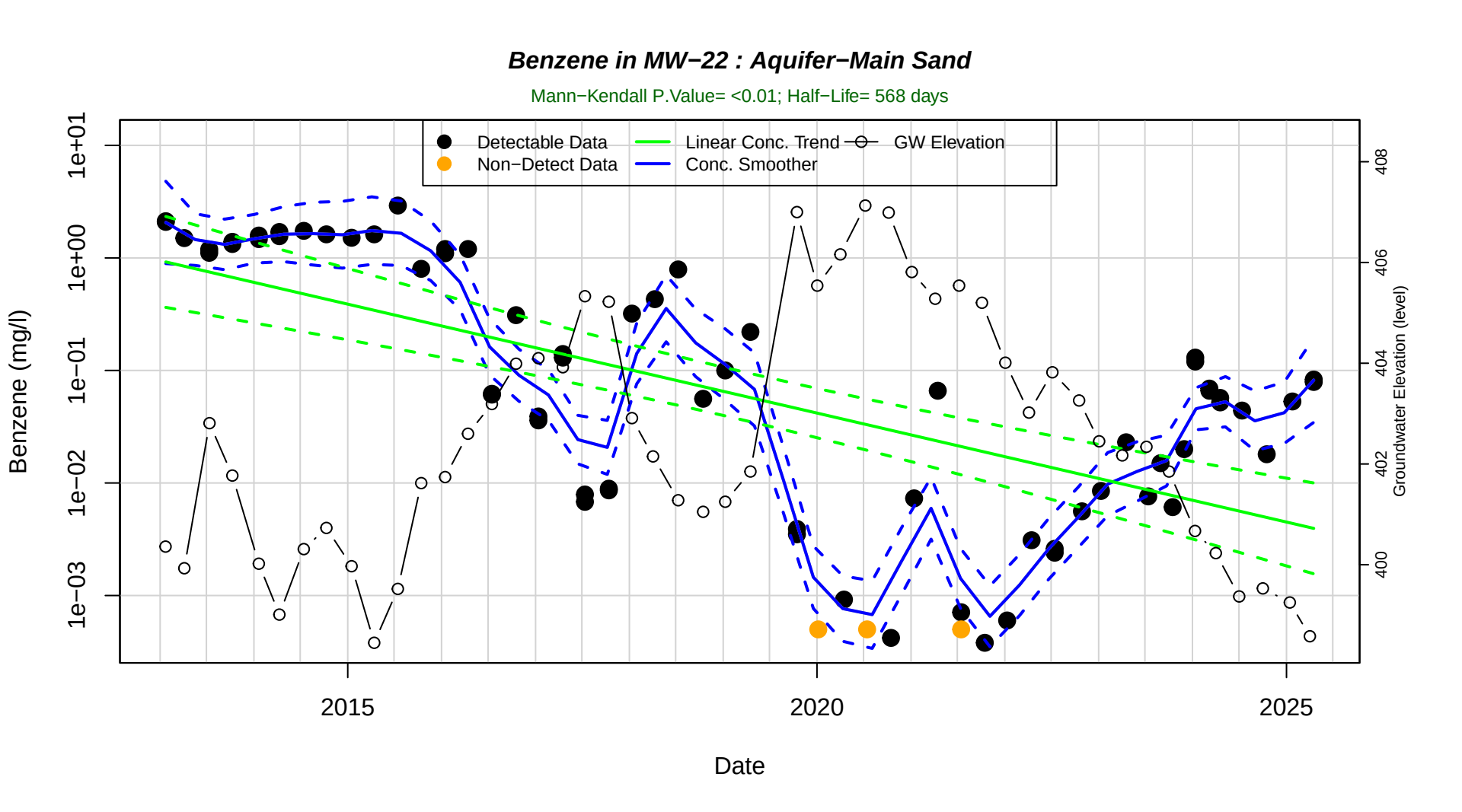
Duplicate values were averaged.

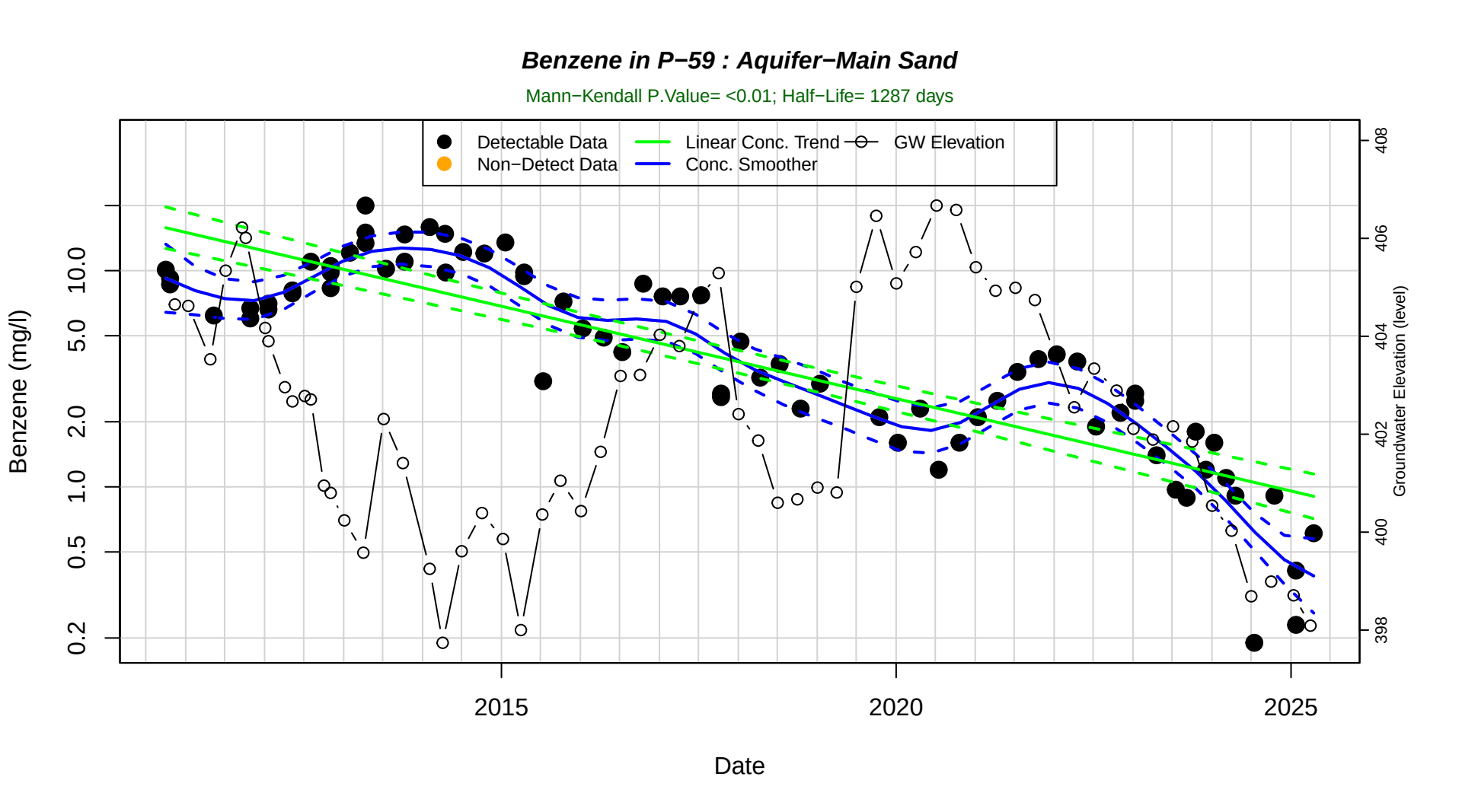
Timeframe specific to available data.

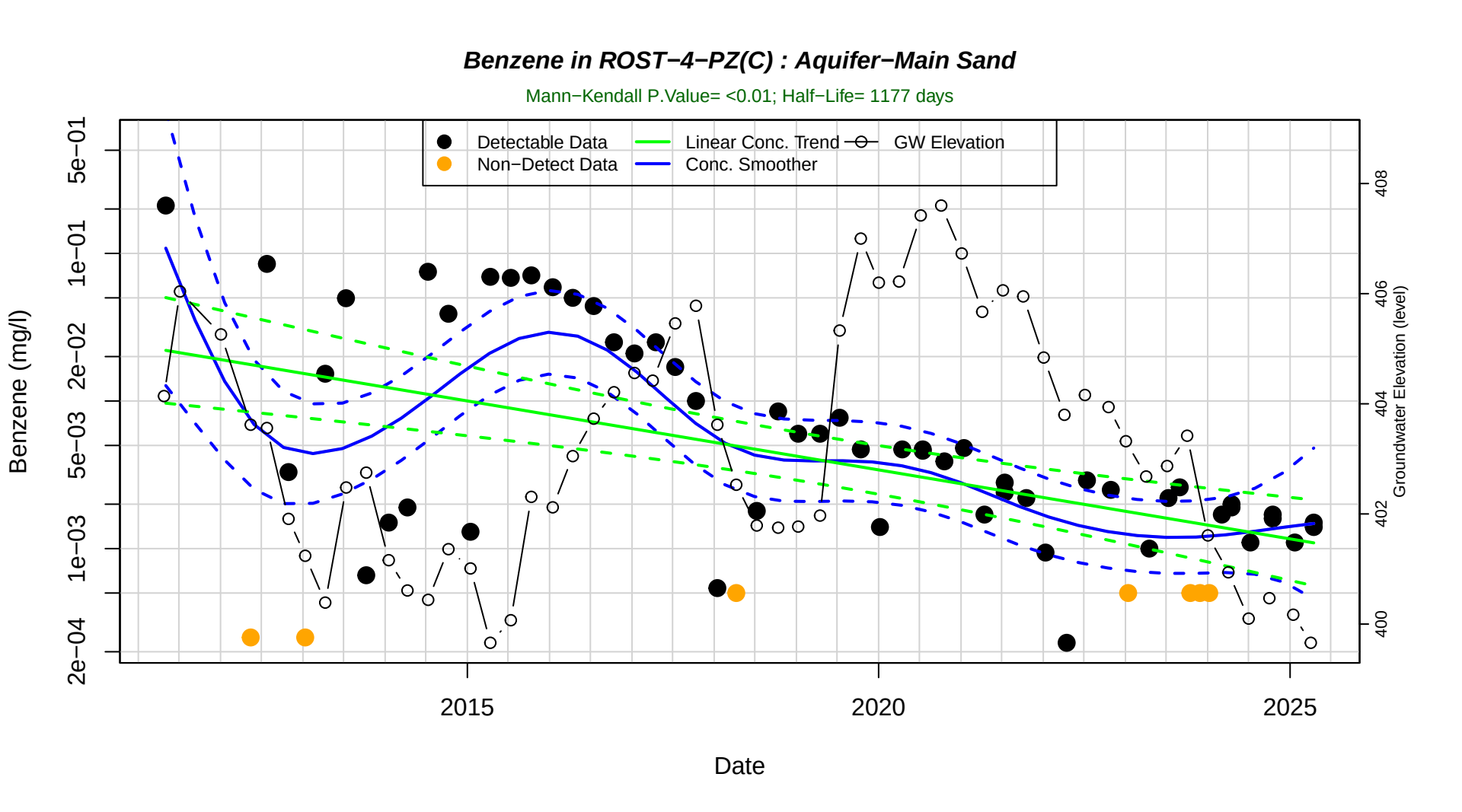
GWSDAT Summary/Legend

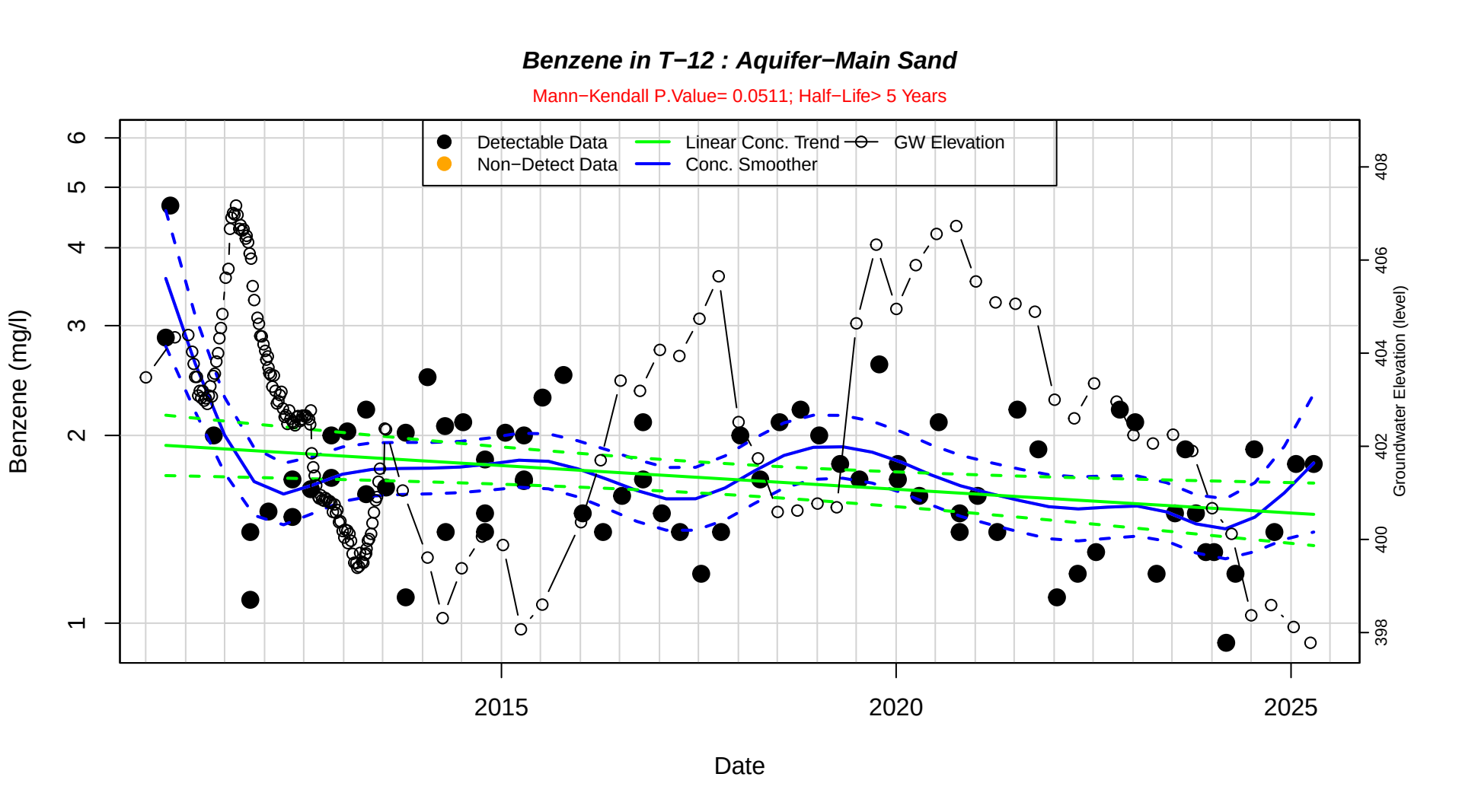
Black Solid Data Points	=	Detections
Orange Solid Data Points	=	Non-Detects
Black-Hollow Data Points	=	Groundwater Elevation
Solid Blue Line	=	Smoothed estimate of the mean trend
Dashed Blue Line	=	95% confidence interval around the estimated mean trend
Solid Green Line	=	Linear trend estimate (Mann-Kendall Analysis)
Dashed Green Line	=	95% confidence interval around linear trend estimate

4th Street Area

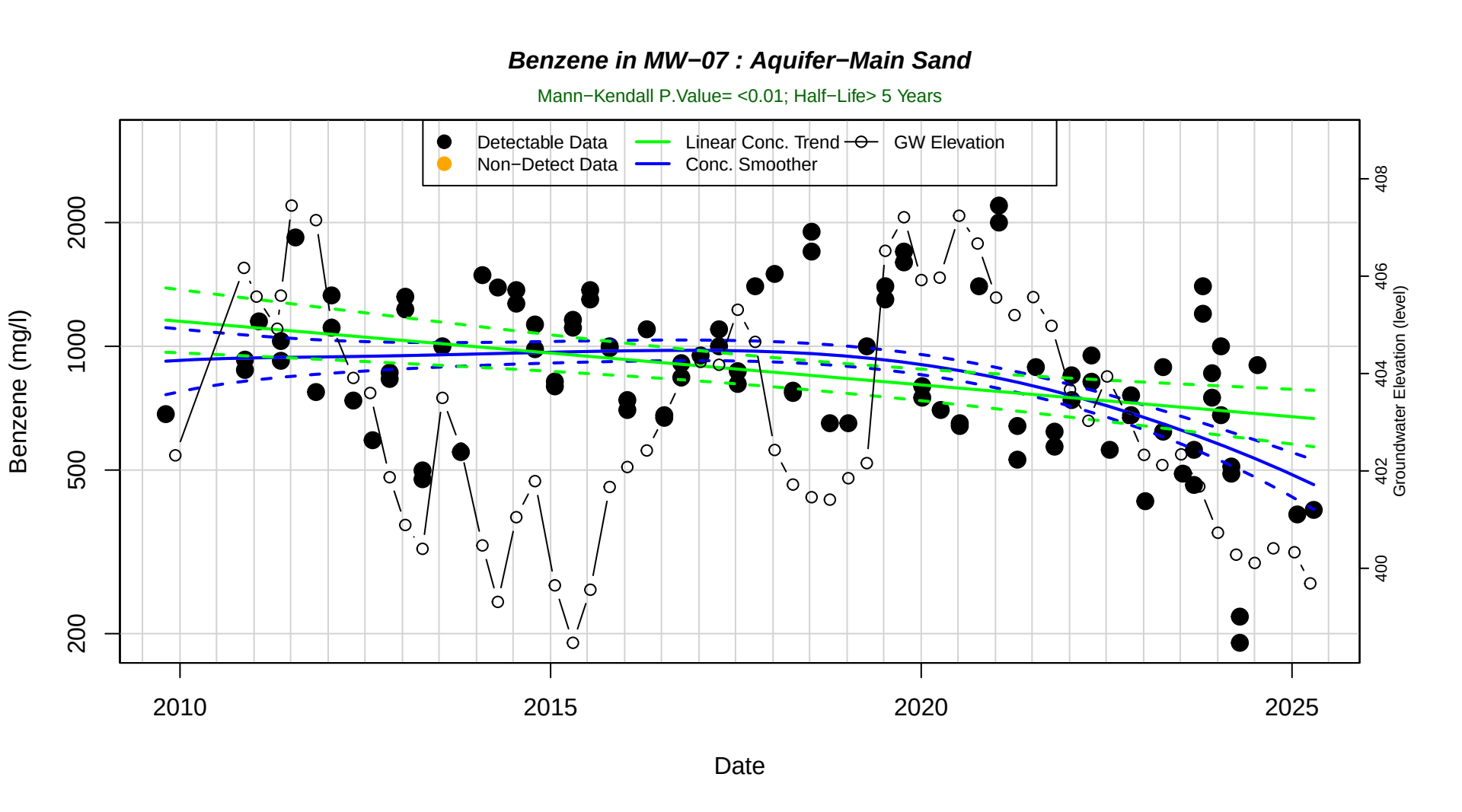

Benzene in MW−22 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 568 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−03
1e−02
1e−01
1e+00
1e+01
Groundwater Elevation (level)
400
402
404
406
408
2015
2020
2025
Date

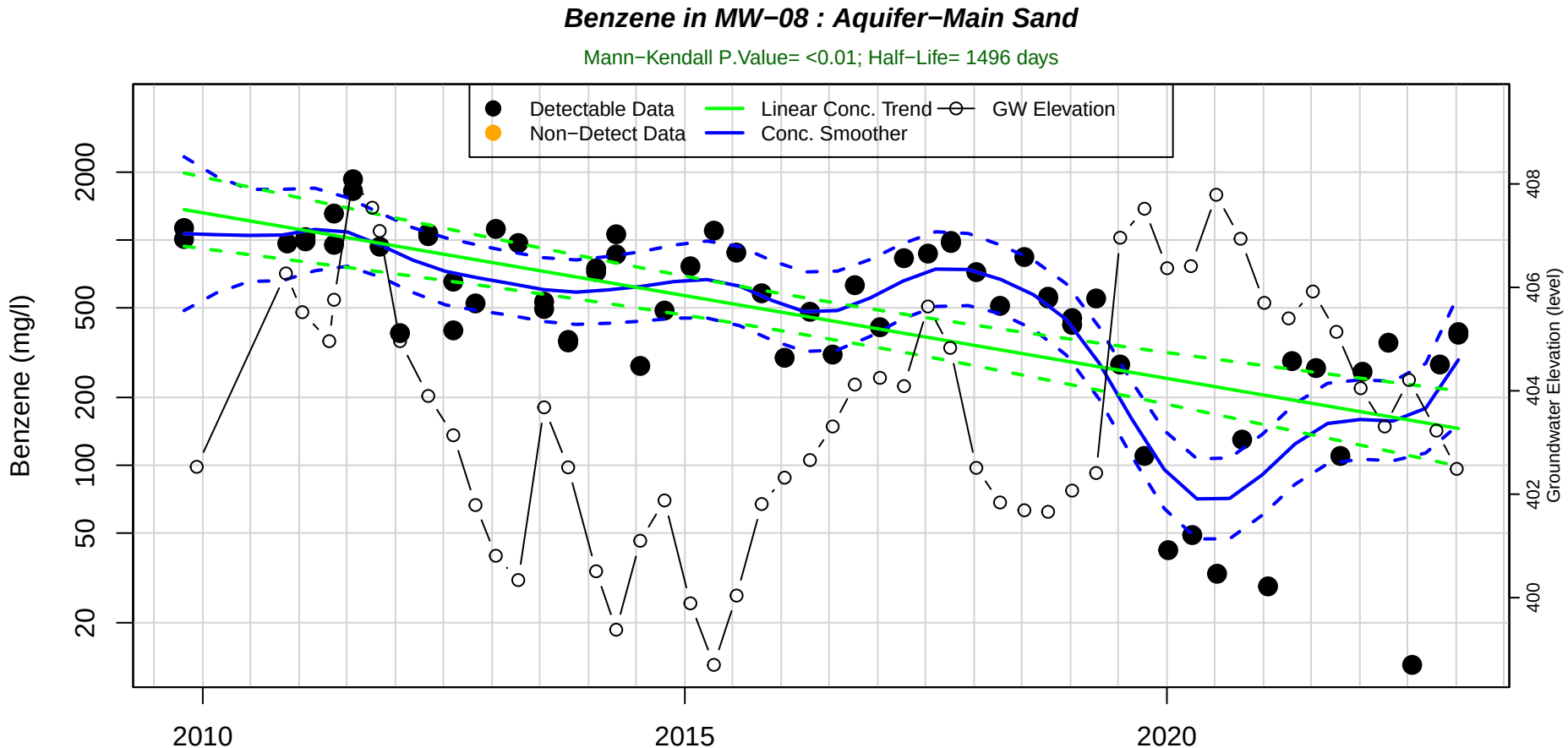

Benzene in P−59 : Aquifer−Main Sand
Mann−Kendall P.Value= <0.01; Half−Life= 1287 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
0.2
0.5
1.0
2.0
5.0
10.0
Groundwater Elevation (level)
398
400
402
404
406
408
2015
2020
2025
Date


Benzene in 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)
5e−01
1e−01
2e−02
5e−03
1e−03
2e−04
2015
2020
2025
Date
Groundwater Elevation (level)
408
406
404
402
400

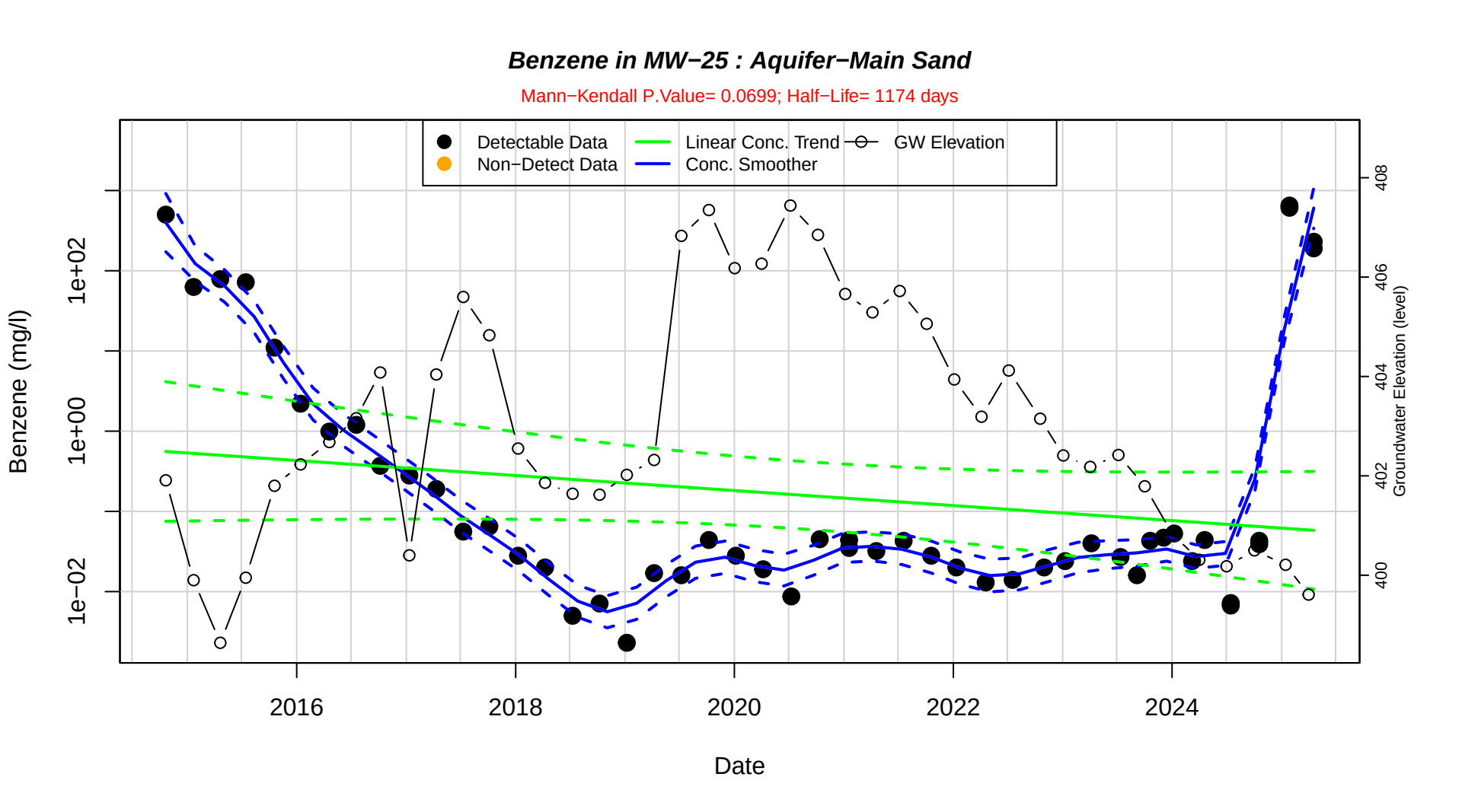

Benzene in T−12 : Aquifer−Main Sand
Mann−Kendall P.Value= 0.0511; Half−Life> 5 Years
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
Groundwater Elevation (level)
Date
2015
2020
2025
1
2
3
4
5
6
398
400
402
404
406
408

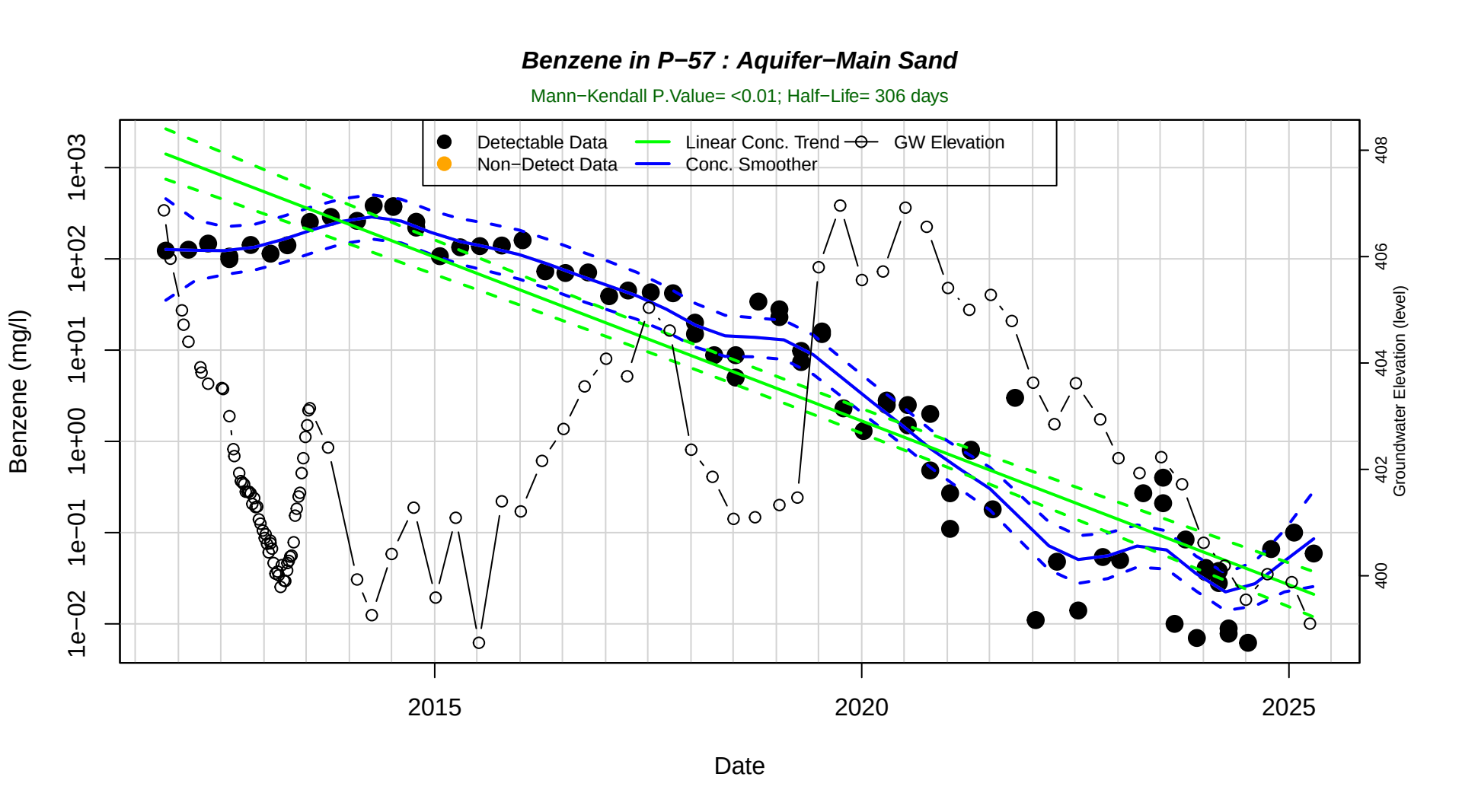
Public Works Yard Area


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
2010
2015
2020
2025
Date
400
402
404
406
408
Groundwater Elevation (level)



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= 0.0699; Half−Life= 1174 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−02
1e+00
1e+02
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= 306 days
Detectable Data
Non−Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e−02
1e−01
1e+00
1e+01
1e+02
1e+03
Groundwater Elevation (level)
400
402
404
406
408
2015
2020
2025
Date

Mary Massa, PG
Geologist
M: 314/795-7580
E: mary.massa@aecom.com

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